

| | |
|----------------|---------------|
| Incident ID | nRM2018244476 |
| 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 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: Robbie Runnels Title: Environmental Representative
Signature: _____ Date: _____
email: rrunnels@mewbourne.com Telephone: (575)393-5905

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

| | |
|----------------|---------------|
| Incident ID | nRM2018244476 |
| 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: Robbie Runnels Title: Environmental Specialist

Signature:  Date: 7/8/2021

email: rrunnels@mewbourne.com Telephone: 575-393-5905

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____


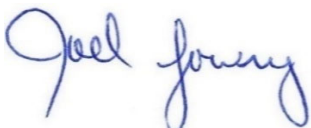
Remediation Summary & Deferral Request

Mewbourne Oil Company Hoss 11 SWD #1

Eddy County, New Mexico
Unit Letter A, D, Section 11, 12, Township 25 South, Range 28 East
Latitude 32.151564 North, Longitude 104.050164 West
NMOCD Reference No. nRM2018244476

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260


Ben J. Arguijo
Joel W. Lowry

Midland • San Antonio • Lubbock • Lovington • Lafayette

TABLE OF CONTENTS

| | <i>Section</i> |
|--|----------------|
| PROJECT INFORMATION..... | 1.0 |
| SITE CHARACTERIZATION & CLOSURE CRITERIA..... | 2.0 |
| INITIAL SITE ASSESSMENT..... | 3.0 |
| PROPOSED REMEDIATION PLAN..... | 4.0 |
| REGULATORY APPROVALS & STIPULATIONS..... | 5.0 |
| REMEDIATION ACTIVITIES SUMMARY..... | 6.0 |
| RESTORATION, RECLAMATION & RE-VEGETATION PLAN..... | 7.0 |
| DEFERRAL REQUEST..... | 8.0 |
| LIMITATIONS..... | 9.0 |
| DISTRIBUTION..... | 10.0 |

FIGURES

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

TABLES

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

APPENDICES

- Appendix A - Depth to Groundwater Information
- Appendix B - Field Data & Soil Profile Logs
- Appendix C - Photographic Log
- Appendix D - Cave/Karst Survey & Drilling Reports
- Appendix E - Laboratory Analytical Reports

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Deferral Request* for the release site known as the Hoss 11 SWD #1 (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.151564 Longitude: -104.050164

Provided GPS are in WGS84 format.

| | | | |
|--------------------------|----------------|------------------------|--------------|
| Site Name: | Hoss 11 SWD #1 | Site Type: | SWD |
| Date Release Discovered: | 6/29/2020 | API # (if applicable): | 30-015-44666 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| A, D | 11, 12 | 25S | 28E | Eddy |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name Joy Cooksey)

Nature and Volume of Release

| | | |
|---|---|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 100 | Volume Recovered (bbls) 70 |
| | Is the concentration of dissolved chloride in the produced water > 10,000 mg/L? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released | Volume/Weight Recovered |
| Cause of Release: Hammer union on the discharge line parted. | | |

Initial Response

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. |
| <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. |
| <input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices |
| <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION & CLOSURE CRITERIA

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on August 17, 2020, an investigative soil boring/temporary monitor well was drilled at the Site in an effort to further investigate site characteristics and determine if shallow groundwater is present in the area. The investigative soil bore was advanced to a total depth of approximately 53 feet below ground surface (bgs) and left open for 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil bore or prior to plugging and abandonment. The location of the soil bore is depicted in Figure 2. A drilling report is provided in Appendix D.

| What is the shallowest depth to groundwater beneath the area affected by the release? | >53' | |
|---|---|--|
| Did the release impact groundwater or surface water? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1,000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production or storage site? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; aerial imagery; and a karst survey conducted by a third-party contractor. The results are depicted in Figures 1, 2, 4, and 5. A copy of the karst survey is included in Appendix D.

On May 24, 2021, based on a trend of spiking chloride concentrations in soil samples collected from the affected area at depths ranging from 6 to 13 feet bgs, two (2) delineation trenches (BSN and BSS) were advanced in non-impacted areas at the Site to determine the background concentration of chloride in the area. Trench BSN was advanced north of the affected area in the pasture to the east of the Hoss 11 SWD #1. Trench BSS was advanced in the pasture south of the Hoss 11 SWD #1 production pad. The trenches were advanced to total depths of approximately 18 feet bgs. Soil samples collected during the advancement of the trenches were field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and submitted to a certified commercial laboratory for analysis of chloride. Laboratory analytical results indicate the presence of naturally occurring chloride in the soil underlying the Site.

Based on the information summarized above, Mewbourne Oil Company requested Closure Criteria and Reclamation Standards for the Site as listed in the table below. The request was ultimately approved by the NMOCD, provided that the procedures in Section XII, "Obtaining Background Data", of the *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* were followed.

| Probable Depth to Groundwater | Constituent | Laboratory Analytical Method | Closure Criteria*† | Reclamation Standard*‡ |
|-------------------------------|--|-----------------------------------|--------------------|------------------------|
| >53' | Chloride (Cl ⁻) | EPA 300.0 or SM4500 Cl B | 1,060 | 600 |
| | Total Petroleum Hydrocarbons (TPH) | EPA SW-846 Method 8015M Ext | 100 | 100 |
| | Gas Range Organics + Diesel Range Organics (GRO + DRO) | EPA SW-846 Method 8015M | - | - |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 | 10 |
| | Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA SW-846 Methods 8021b or 8260b | 50 | 50 |

* Measured in milligrams per kilogram (mg/kg)

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

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

3.0 INITIAL SITE ASSESSMENT

On July 15 through 17, 2020, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (SP1 through SP10) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, a series of hand-augered soil bores (NH1B, NH2, EH1, EH2, EH3, SH1, SH2, SH3D, WH1, and WH2) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, field soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, a total of 40 delineation soil samples (NH1B @ Surf., NH1A @ 1', NH2 @ Surf., NH2 @ 1', EH1 @ Surf., EH1 @ 1', EH2 @ Surf., EH2 @ 1', EH3 @ Surf., EH3 @ 1', SH1 @ Surf., SH1 @ 1', SH2 @ Surf., SH2 @ 1', SH3D @ Surf., SH3D @ 1', WH1 @ Surf., WH1 @ 1', WH2 @ Surf., WH2 @ 1', SP1 @ Surf., SP1 @ 1', SP2 @ Surf., SP2 @ 2', SP3 @ Surf., SP3 @ 1', SP4 @ Surf., SP4 @ 4', SP5 @ Surf., SP5 @ 1', SP6 @ Surf., SP6 @ 1', SP7 @ Surf., SP7 @ 2', SP8 @ Surf., SP8 @ 12', SP9 @ Surf., SP9 @ 6', SP10 @ Surf., and SP10 @ 2') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride.

On August 17, 2020, Etech revisited the Site. Hand-augered soil bore SP8 was re-entered and advanced to a total depth of 13 feet bgs in an effort to further investigate the vertical extent of impacted soil. A soil sample (SP8 @ 13') was collected during advancement of the soil bore and submitted to the laboratory for analysis of chloride.

Based on laboratory analytical data, the horizontal and vertical extent of impacted soil was adequately defined.

4.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, Mewbourne Oil Company proposed the following remediation activities designed to advance the Site toward an approved closure:

- Utilizing mechanical equipment, excavate impacted soil within the release margins. Advance the floors and sidewalls of the excavation until laboratory analytical results indicate BTEX, TPH, and chloride concentrations are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.
- Excavate impacted soil adjacent to the on-site electrical facilities, containment, associated piping, and equipment to the maximum extent practicable.
- Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted, "like" material.
- Defer remediation of impacted soil affected above the NMOCD Closure Criteria beneath and adjacent to the on-site electrical facilities, containment area, and associated equipment until the facility is decommissioned and abandoned.

- Upon completion of excavation activities, collect representative five-point composite confirmation soil samples from the excavation sidewalls in each cardinal direction, representing no more than 50 linear feet. Collect a minimum of one (1) representative five-point composite confirmation soil sample from the base of the excavated area representing every 300 square feet. Collect additional, discrete grab samples from wet or visibly stained areas inferred to have been affected by the release, as necessary.
- Upon completion of remediation activities, prepare a *Remediation Summary & Deferral Request* detailing field activities, laboratory analytical results from confirmation soil samples, and a determination of the volume of impacted soil to remain in-situ.

5.0 REGULATORY APPROVALS & STIPULATIONS

On September 24, 2020, a *Site Assessment Report and Proposed Remediation Workplan* ("Workplan") was submitted to the NMOCD proposing the aforementioned remediation activities to advance the Site toward regulatory closure. The Workplan was subsequently approved by the NMOCD, with the stipulation that confirmation sidewall and floor samples exhibit concentrations of chloride and TPH below 600 mg/kg and 100 mg/kg, respectively, as the Site is located in an area of high potential for karst occurrence.

Please reference the *Site Assessment Report and Proposed Remediation Workplan* for additional details regarding site characterization and proposed remediation activities.

On March 4, 2021, based on the size and nature of the release, an *Alternative Sampling Plan* was submitted to the NMOCD proposing an alternative sampling plan to include the collection of composite soil samples every 50 linear feet from the excavation sidewalls and every 500 square feet from the base of the excavated area. A variance to collect TPH and BTEX confirmation samples at 100-foot horizontal increments was also requested. The *Alternative Sampling Plan* was subsequently approved by the NMOCD. However, the variance to collect TPH and BTEX confirmation samples at 100-foot horizontal intervals was denied.

On March 15, 2021, a *Site Assessment Report & Proposed Remediation Workplan (Addendum)* was submitted to the NMOCD requesting a variance to the requirements of Section 19.15.29.12.C(3) NMAC and permission to install a 20-mil, string-reinforced liner at approximately eight (8) feet bgs in the proposed excavation in the area characterized by auger hole SP8 (i.e., the pasture to the east of, and adjacent to, the Hoss 11 SWD #1). The variance request was subsequently denied by the NMOCD.

On June 3, 2021, based on a trend of spiking chloride concentrations observed at depths ranging from 6 to 13 feet bgs in the pasture adjacent to the Hoss 11 SWD #1, Etech contacted the NMOCD to request an alternative chloride closure limit for the Site. Based on laboratory analytical results, an alternative chloride closure limit of 1,060 mg/kg was subsequently approved by the NMOCD (see Section 2.0, "Site Characterization & Closure Criteria", above).

6.0 REMEDIATION ACTIVITIES SUMMARY

On August 20, 2020, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a Hach Quantab® chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard. Based on laboratory analytical results and field screens, the excavation was subdivided into two (2) sections: Pasture Excavation and Pad Excavation.

On August 24, 2020, Etech collected four (4) confirmation soil samples (NWp1, NWp2, NWp3, and SWp1) from the sidewalls of the Pasture Excavation. The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On September 1, 2020, Etech collected eight (8) confirmation soil samples (NWp4, NWp5, NWp6, NWp7, NWp8, NWp9, SWp2, and SWp3) from the sidewalls of the Pasture Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On September 2, 2020, Etech collected six (6) confirmation soil samples (EWp1, EWp2, EWp3, EWp4, SWp4, and SWp5) from the sidewalls of the Pasture Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 12, 2021, remediation activities resumed at the Site. In accordance with the NMOCD-approved Workplan, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the Pasture and Pad Excavations were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Etech collected one (1) confirmation soil sample (FL 42 @ 2') from the floor of the Pad Excavation. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

On March 15, 2021, Etech collected 22 confirmation soil samples (SW 1, WW 1, and FL 1 @ 2' through FL 20 @ 2') from the sidewalls and floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 16, 2021, Etech collected 10 confirmation soil samples (FL 21 @ 2' through FL 30 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 17, 2021, Etech collected nine (9) confirmation soil samples (WW 2 and FL 31 @ 2' through FL 38 @ 2') from the sidewall and floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 18, 2021, Etech collected eight (8) confirmation soil samples (FL 39 @ 2', FL 40 @ 2', FL 41 @ 2', and FL 43 @ 2' through FL 47 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 21, 2021, Etech collected 30 confirmation soil samples (NW 1, NW 2, WW 3, FL 48 @ 2' through FL 63 @ 3', FL 66 @ 3' through FL 70 @ 2', and FL 75 @ 2' through FL 80 @ 3') from the sidewalls and floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 23, 2021, Etech collected 12 confirmation soil samples (FL 64 @ 3', FL 65 @ 3', FL 71 @ 2' through FL 74 @ 2', and FL 83 @ 3' through FL 88 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 24, 2021, Etech collected eight (8) confirmation soil samples (FL 81 @ 4', FL 82 @ 4', and FL 89 @ 4' through FL 94 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 30, 2021, Etech collected 13 confirmation soil samples (SW 3, SW 4, SW 5, FL 97 @ 2' through FL 102 @ 2', and FL 107 @ 2' through FL 110 @ 2') from the sidewalls and floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On March 31, 2021, Etech collected 14 confirmation soil samples (FL 95 @ 2', FL 96 @ 2', FL 103 @ 2' through FL 106 @ 2', and FL 111 @ 2' through FL 118 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 5, 2021, Etech advanced eight (8) hand-augered soil bores (D 1 through D 8) to more adequately define the affected area requiring deferral of remediation. During the advancement of the hand-augered soil bores, a total of 16 soil samples (D 1 @ Surf., D 1 @ 3', D 2 @ Surf., D 2 @ 4', D 3 @ Surf., D 3 @ 2', D 4 @ Surf., D 4 @ 3', D 5 @ Surf., D 5 @ 3', D 6 @ Surf., D 6 @ 3', D 7 @ Surf., D 7 @ 3', D 8 @ Surf., and D 8 @ 2') were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, soil was not affected above the NMOCD Closure Criteria beyond two (2) to four (4) feet bgs in the affected areas underneath the lined containment area of the Hoss 11 SWD #1 and/or the associated equipment and electrical facilities.

On April 7, 2021, Etech collected 10 confirmation soil samples (FL 119 @ 4' through FL 128 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 8, 2021, Etech collected 16 confirmation soil samples (EW 1, EW 2, EW 3, EW 4, SW 2, SW 6, and FL 129 @ 2' through FL 138 @ 2') from the sidewalls and floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 12, 2021, Etech collected 20 confirmation soil samples (FL 139 @ 2' through FL 148 @ 2', and FL 151 @ 2' through FL 160 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 13, 2021, Etech collected eight (8) confirmation soil samples (FL 149 @ 2', FL 150 @ 2', and FL 161 @ 2' through FL 166 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 15, 2021, the excavation was further advanced in the area characterized by soil sample FL 126 @ 2', and Etech collected 16 confirmation soil samples (FL 126 @ 3' and FL 167 @ 2' through FL 181 @ 2') from the floor of the Pad Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

Etech also collected eight (8) soil samples (D 1B @ SURFACE, D 2B @ SURFACE, D 3B @ SURFACE, D 4B @ SURFACE, D 5B @ SURFACE, D 6B @ SURFACE, D 7B @ SURFACE, and D 8B @ SURFACE) to further characterize the affected area requiring deferral of remediation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. Chloride concentrations ranged from 1,760 mg/kg in soil sample D 8B @ SURFACE to 2,280 mg/kg in soil sample D 2B @ SURFACE.

On April 16, 2021, Etech advanced eight (8) additional hand-augered soil bores (D 1B through D 8B) to further characterize the affected area requiring deferral of remediation. During the advancement of the hand-augered soil bores, a total of eight (8) soil samples (D 1B @ 3', D 2B @ 4', D 3B @ 2', D 4B @ 3', D 5B @ 3', D 6B @ 3', D 7B @ 3', and D 8B @ 3') were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, soil was not affected above the NMOCD Closure Criteria beyond two (2) to four (4) feet bgs in the affected areas underneath the lined containment area of the Hoss 11 SWD #1 and/or the associated equipment and electrical facilities.

On April 26, 2021, Etech collected five (5) confirmation soil samples (NW 3, NW 4, NW 5, WW 4, and WW 5) from the sidewalls of the Pasture Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 13, 2021, Etech collected six (6) confirmation soil samples (FL 182 @ 6' through FL 187 @ 11') from the floor of the Pasture Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 14, 2021, Etech collected four (4) confirmation soil samples (FL 188 @ 10' through FL 191 @ 10') from the floor of the Pasture Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 18, 2021, Etech advanced four (4) delineation trenches (BN, BS, TS @ 18.5', and TS @ 19.5') in the floor of the Pasture Excavation to further investigate the vertical extent of impacted soil. During the advancement of the trenches, a total of four (4) soil samples (BN @ 16', BS @ 16', TS @ 18.5', and TS @ 19.5') were collected and field-screened for the presence of VOCs utilizing olfactory/visual senses and/or concentrations of chloride utilizing a chloride test kit. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, soil was not affected above the NMOCD Closure Criteria beyond 16 feet bgs.

As described in Section 2.0, "Site Characterization & Closure Criteria", above, on May 24, 2021, based on a trend of spiking chloride concentrations in soil samples collected from the affected area at depths ranging from 6 to 13 feet bgs, two (2) delineation trenches (BSN and BSS) were advanced in non-impacted areas at the Site to determine the background concentration of chloride in the area. Trench BSN was advanced north of the affected area in the pasture to the east of the Hoss 11 SWD #1. Trench BSS was advanced in the pasture south of the Hoss 11 SWD #1 production pad. The trenches were advanced to total depths of approximately 18 feet bgs. Soil samples collected during the advancement of the trenches were field-screened utilizing a chloride test kit and submitted to the laboratory for analysis of chloride. Laboratory analytical results indicate the presence of naturally occurring chloride in the soil underlying the Site.

On June 1, 2021, Etech collected 18 confirmation soil samples (FL 198 @ 10' through FL 215 @ 9') from the floor of the Pasture Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in soil samples FL 198 @ 10' through FL 202 @ 10', FL 204 @ 10', FL 206 @ 10' through FL 208 @ 9', FL 214 @ 9', and FL 215 @ 9'. Additional excavation was required in the areas characterized by soil samples FL 203 @ 10', FL 205 @ 10', FL 209 @ 9', FL 210 @ 9', FL 211 @ 9', FL 212 @ 9', and FL 213 @ 9'.

On June 4, 2021, the Pasture Excavation was further advanced in the areas characterized by soil samples FL 203 @ 10', FL 205 @ 10', FL 209 @ 9', FL 210 @ 9', FL 211 @ 9', FL 212 @ 9', and FL 213 @ 9', and Etech collected six (6) confirmation soil samples (FL 203 @ 11', FL 205 @ 11', FL 209 @ 10', FL 211 @ 10', FL 212 @ 10', and FL 213 @ 10') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the Pad Excavation were approximately 258 to 406 feet in length, 143 to 404 feet in width, and two (2) to four (4) feet in depth. The final dimensions of the Pasture Excavation were approximately 290 feet in length, 34 to 130 feet in width, and six (6) to 11 feet in depth. During the course of remediation activities, approximately 16,690 cubic yards of impacted soil was excavated and transported to an NMOCD-permitted surface waste facility for disposal.

The extents of the Pad and Pasture Excavations and the locations of the confirmation soil samples, auger holes, and delineation trenches are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix E.

7.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Areas affected by remediation and closure activities were substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was contoured and compacted to fit the needs of the facility and/or to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads, pipeline right-of-ways, and/or lease roads will be reseeded with an agency- and/or landowner-approved seed mixture during the first favorable growing season following closure of the Site.

8.0 DEFERRAL REQUEST

Remediation activities were conducted in accordance with an approved Workplan. Impacted soil affected above the NMOCD-approved Closure Criteria and/or NMOCD Reclamation Standard was excavated to the extent practicable and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX and TPH are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standard. Remediation of impacted soil affected above the NMOCD Closure Criteria remaining in-situ beneath the SWD facility, lined containment area, and associated equipment and electrical facilities will be completed upon decommissioning and abandonment of the facility, in accordance with Section 19.15.29.13 NMAC.

Etech recommends Mewbourne Oil Company provide copies of this *Remediation Summary & Deferral Request* to the NMOCD and cease remediation activities at the Site.

9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Deferral Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

10.0 DISTRIBUTION

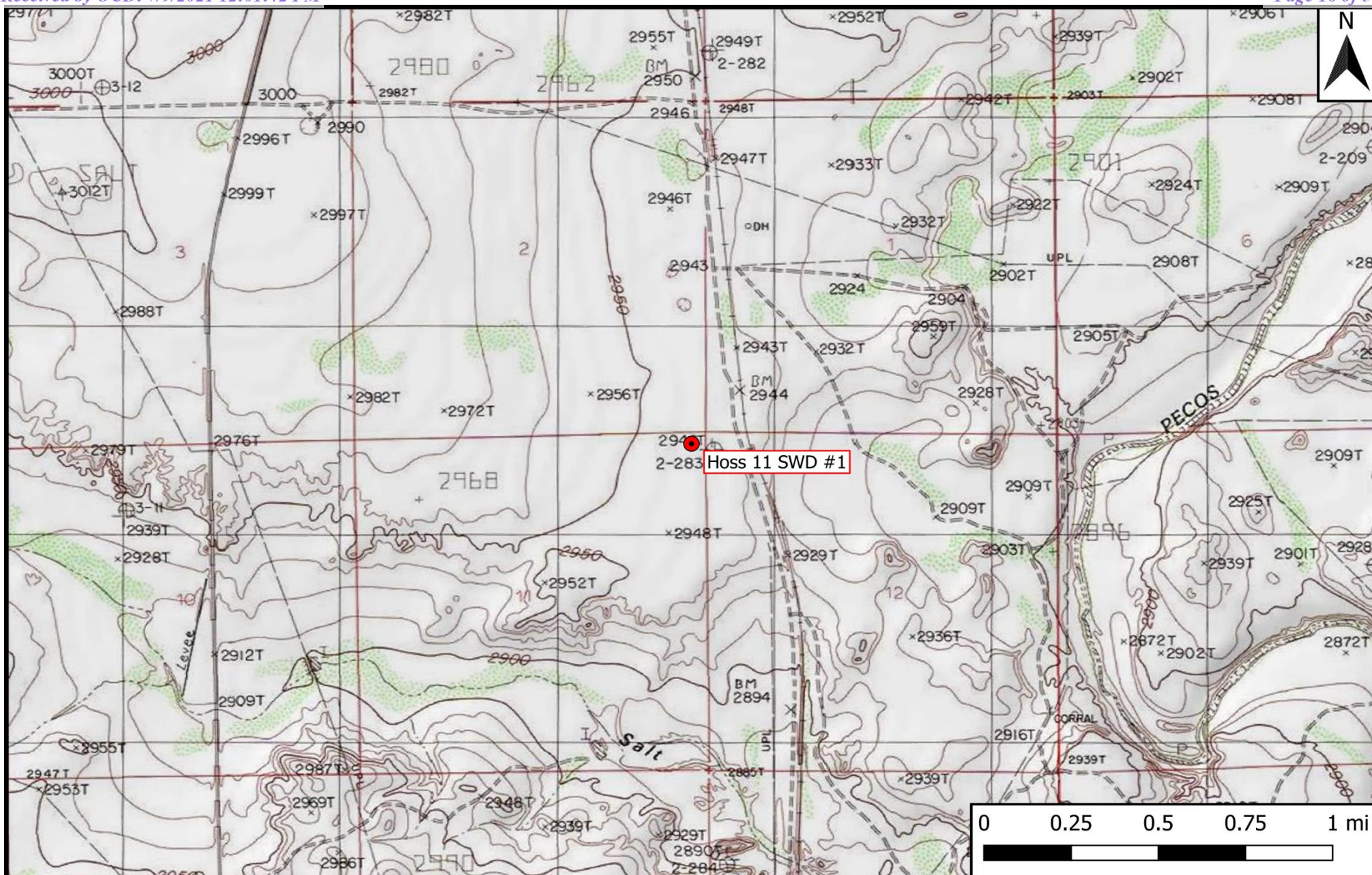
Mewbourne Oil Company
4801 Business Park Blvd.
Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

(Electronic Submission)

Figure 1

Topographic Map



Legend

 Site Location

Figure 1

Topographic Map
Mewbourne Oil Company
Hoss 11 SWD #1
GPS: 32.151564, -104.050164
Eddy County

ETECH 
Environmental & Safety Solutions, Inc.

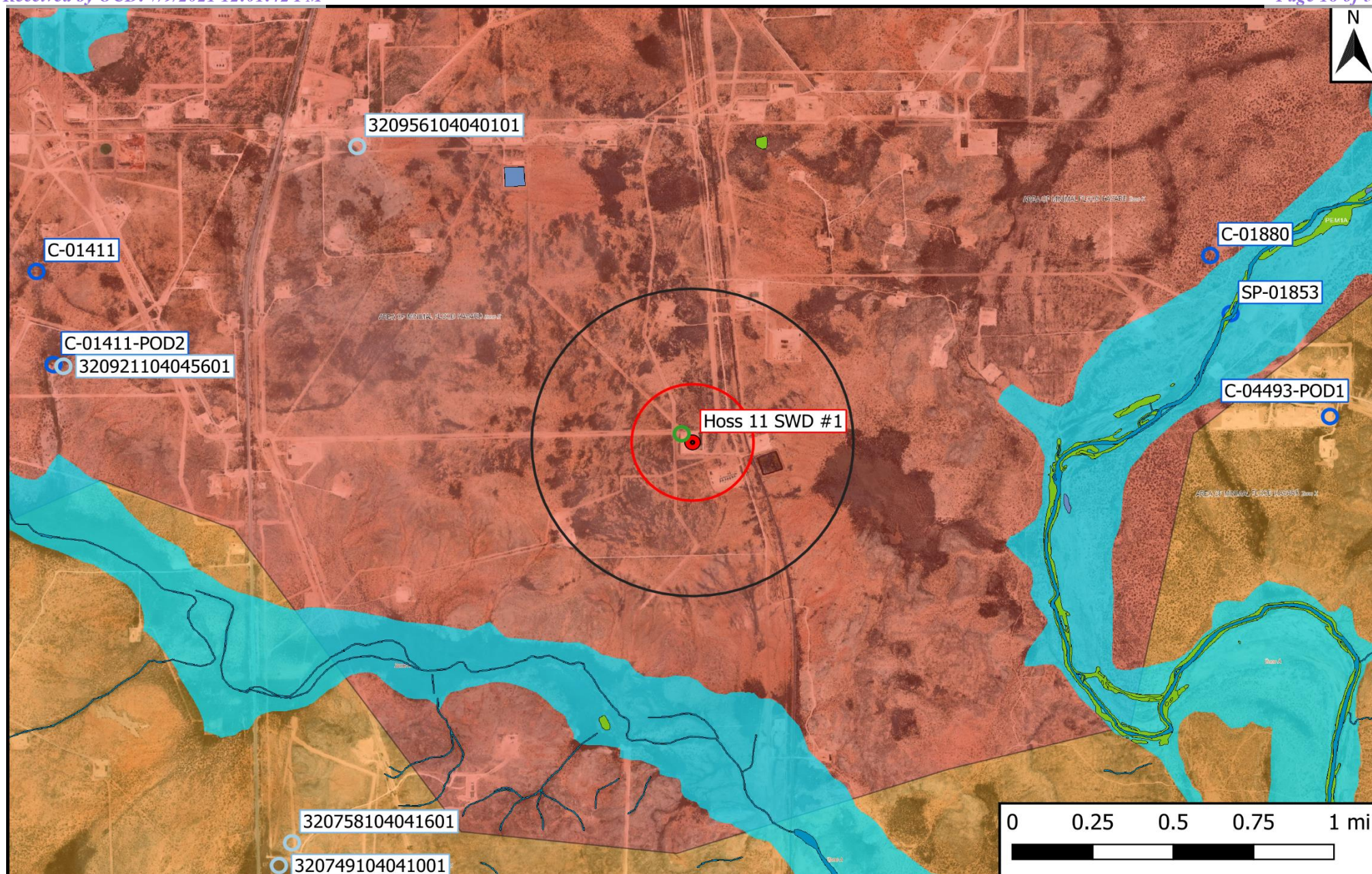
Drafted: bja

Checked: jwl

Date: 3/4/21

Figure 2

Aerial Proximity Map



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

Figure 2
 Aerial Proximity Map
 Mewbourne Oil Company
 Hoss 11 SWD #1
 GPS: 32.151564, -104.050164
 Eddy County



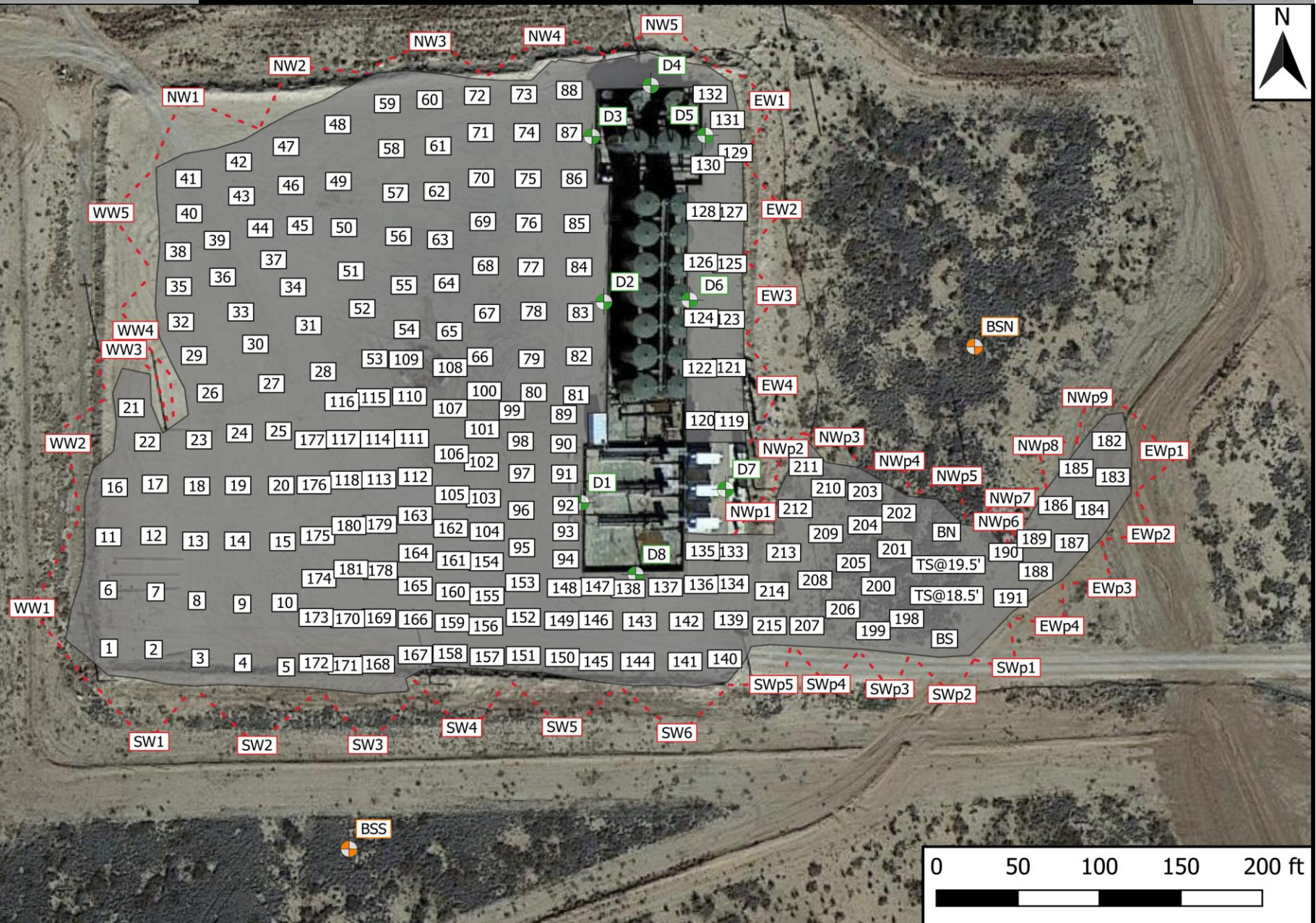
Drafted: bja

Checked: jwl

Date: 6/16/21

Figure 3

Site & Sample Location Map



Legend

- Excavation Extent
- Composite Floor Sample
- Composite Wall Sample
- Background Sample
- Deferral Sample

Figure 3

Site & Sample Location Map
 Mewbourne Oil Company
 Hoss 11 SWD #1
 GPS: 32.151564, -104.050164
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 6/18/21

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|---|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| Delineation, Deferral & Background Characterization Samples | | | | | | | | | | | |
| NH1B @ Surf. | 7/15/2020 | 0 | In-Situ | <0.024 | <0.213 | <4.70 | <9.90 | <14.6 | <50.0 | <64.6 | 430 |
| NH1A @ 1' | 7/15/2020 | 1 | In-Situ | <0.025 | <0.225 | <5.00 | <9.60 | <14.6 | <48.0 | <62.6 | 180 |
| NH2 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.024 | <0.219 | <4.90 | <9.10 | <14.0 | <45.0 | <59.0 | <60.0 |
| NH2 @ 1' | 7/15/2020 | 1 | In-Situ | <0.024 | <0.215 | <4.80 | <9.90 | <14.7 | <49.0 | <63.7 | <60.0 |
| EH1 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.025 | <0.224 | <5.00 | <9.90 | <14.9 | <49.0 | <63.9 | <59.0 |
| EH1 @ 1' | 7/15/2020 | 1 | In-Situ | <0.025 | <0.221 | <4.90 | <9.30 | <14.2 | <47.0 | <61.2 | <60.0 |
| EH2 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.023 | <0.207 | <4.60 | <9.80 | <14.4 | <49.0 | <63.4 | <60.0 |
| EH2 @ 1' | 7/15/2020 | 1 | In-Situ | <0.024 | <0.213 | <4.70 | <9.40 | <14.1 | <47.0 | <61.1 | 220 |
| EH3 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.023 | <0.211 | <4.70 | <9.60 | <14.3 | <48.0 | <62.3 | <60.0 |
| EH3 @ 1' | 7/15/2020 | 1 | In-Situ | <0.025 | <0.221 | <4.90 | <9.40 | <14.3 | <47.0 | <61.3 | <60.0 |
| SH1 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.023 | <0.211 | <4.70 | <9.40 | <14.1 | <47.0 | <61.1 | 62.0 |
| SH1 @ 1' | 7/15/2020 | 1 | In-Situ | <0.025 | <0.224 | <5.00 | <9.60 | <14.6 | <48.0 | <62.6 | <60.0 |
| SH2 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.025 | <0.221 | <4.90 | <9.70 | <14.6 | <48.0 | <62.6 | 340 |
| SH2 @ 1' | 7/15/2020 | 1 | In-Situ | <0.024 | <0.216 | <4.80 | <10.0 | <14.8 | <50.0 | <64.8 | 260 |
| SH3D @ Surf. | 7/15/2020 | 0 | In-Situ | <0.023 | <0.211 | <4.70 | <9.90 | <14.6 | <50.0 | <64.6 | <60.0 |
| SH3D @ 1' | 7/15/2020 | 1 | In-Situ | <0.024 | <0.212 | <4.70 | <10.0 | <14.7 | <50.0 | <64.7 | <60.0 |
| WH1 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.023 | <0.210 | <4.70 | <9.80 | <14.5 | <49.0 | <63.5 | 64.0 |
| WH1 @ 1' | 7/15/2020 | 1 | In-Situ | <0.025 | <0.221 | <4.90 | <9.10 | <14.0 | <46.0 | <60.0 | 100 |
| WH2 @ Surf. | 7/15/2020 | 0 | In-Situ | <0.025 | <0.221 | <4.90 | <9.50 | <14.4 | <48.0 | <62.4 | <60.0 |
| WH2 @ 1' | 7/15/2020 | 1 | In-Situ | <0.025 | <0.221 | <4.90 | <9.20 | <14.1 | <46.0 | <60.1 | <60.0 |
| SP1 @ Surf. | 7/16/2020 | 0 | Excavated | <0.024 | <0.217 | <4.80 | 13.0 | 13.0 | <48.0 | 13.0 | 16,000 |
| SP1 @ 1' | 7/16/2020 | 1 | Excavated | <0.025 | <0.224 | <5.00 | <9.60 | <14.6 | <48.0 | <62.6 | 210 |
| SP2 @ Surf. | 7/16/2020 | 0 | Excavated | <0.025 | <0.222 | <4.90 | <10.0 | <14.9 | <50.0 | <64.9 | 9,600 |
| SP2 @ 2' | 7/16/2020 | 2 | In-Situ | <0.023 | <0.211 | <4.70 | <9.70 | <14.4 | <49.0 | <63.4 | 290 |
| SP3 @ Surf. | 7/16/2020 | 0 | Excavated | <0.023 | <0.207 | <4.60 | <10.0 | <14.6 | <50.0 | <64.6 | 14,000 |
| SP3 @ 1' | 7/16/2020 | 1 | Excavated | <0.025 | <0.224 | <5.00 | <9.90 | <14.9 | <49.0 | <63.9 | 350 |
| SP4 @ Surf. | 7/16/2020 | 0 | Excavated | <0.025 | <0.222 | <4.90 | 14.0 | 14.0 | <50.0 | 14.0 | 25,000 |
| SP4 @ 4' | 7/16/2020 | 4 | In-Situ | <0.024 | <0.215 | <4.80 | <9.20 | <14.0 | <46.0 | <60.0 | 330 |
| SP5 @ Surf. | 7/16/2020 | 0 | Excavated | <0.024 | <0.215 | <4.80 | <9.20 | <14.0 | <46.0 | <60.0 | 20,000 |
| SP5 @ 1' | 7/16/2020 | 1 | Excavated | <0.023 | <0.208 | <4.60 | <9.70 | <14.3 | <48.0 | <62.3 | 330 |
| SP6 @ Surf. | 7/16/2020 | 0 | Excavated | <0.025 | <0.224 | <5.00 | <9.90 | <14.9 | <49.0 | <63.9 | 16,000 |
| SP6 @ 1' | 7/16/2020 | 1 | Excavated | <0.025 | <0.221 | <4.90 | <9.30 | <14.2 | <47.0 | <61.2 | 210 |
| SP7 @ Surf. | 7/16/2020 | 0 | Excavated | <0.024 | <0.212 | <4.70 | 12.0 | 12.0 | <48.0 | 12.0 | 32,000 |
| SP7 @ 2' | 7/16/2020 | 2 | In-Situ | <0.025 | <0.222 | <4.90 | <9.90 | <14.8 | <50.0 | <64.8 | 280 |
| SP8 @ Surf. | 7/15/2020 | 0 | Excavated | <0.024 | <0.220 | <4.90 | 100 | 100 | <48.0 | 100 | 16,000 |
| SP8 @ 12' | 7/17/2020 | 12 | In-Situ | <0.025 | <0.222 | <4.90 | <9.60 | <14.5 | <48.0 | <62.5 | 800 |
| SP8 @ 13' | 8/17/2020 | 13 | In-Situ | - | - | - | - | - | - | - | 830 |
| SP9 @ Surf. | 7/15/2020 | 0 | Excavated | <0.025 | <0.224 | <5.00 | <10.0 | <15.0 | <50.0 | <65.0 | 14,000 |
| SP9 @ 6' | 7/16/2020 | 6 | Excavated | <0.025 | <0.222 | <4.90 | <9.40 | <14.3 | <47.0 | <61.3 | 270 |
| SP10 @ Surf. | 7/16/2020 | 0 | Excavated | <0.025 | <0.224 | 13.0 | 63.0 | 76.0 | <50.0 | 76.0 | 59,000 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| SP10 @ 2' | 7/16/2020 | 2 | In-Situ | <0.025 | <0.225 | <5.00 | <9.40 | <14.4 | <47.0 | <61.4 | 150 |
| D 1 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 56,000 |
| D 1 @ 3' | 4/5/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| D 1B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 2,160 |
| D 1B @ 3' | 4/16/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| D 2 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | 39.6 | 39.6 | 18.2 | 57.8 | 83,200 |
| D 2 @ 4' | 4/5/2021 | 4 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| D 2B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 2,280 |
| D 2B @ 4' | 4/16/2021 | 4 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| D 3 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | 13.3 | 4,910 | 4,920 | 181 | 5,100 | 96,000 |
| D 3 @ 2' | 4/5/2021 | 2 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| D 3B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 2,120 |
| D 3B @ 2' | 4/16/2021 | 2 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| D 4 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | 0.404 | <10.0 | 35.3 | 35.3 | 14.6 | 49.9 | 104,000 |
| D 4 @ 3' | 4/5/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| D 4B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 2,080 |
| D 4B @ 3' | 4/16/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| D 5 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | 16.1 | 16.1 | <10.0 | 16.1 | 97,300 |
| D 5 @ 3' | 4/5/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| D 5B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 2,120 |
| D 5B @ 3' | 4/16/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| D 6 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 70,600 |
| D 6 @ 3' | 4/5/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| D 6B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,800 |
| D 6B @ 3' | 4/16/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| D 7 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 72,000 |
| D 7 @ 3' | 4/5/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| D 7B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,920 |
| D 7B @ 3' | 4/16/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| D 8 @ Surf. | 4/5/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | 19.0 | 19.0 | <10.0 | 19.0 | 72,000 |
| D 8 @ 2' | 4/5/2021 | 2 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 528 |
| D 8B @ SURFACE | 4/15/2021 | 0 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,760 |
| D 8B @ 3' | 4/16/2021 | 3 | Deferred | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| BN @ 16' | 5/18/2021 | 16 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 624 |
| BS @ 16' | 5/18/2021 | 16 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| TS @ 18.5' | 5/18/2021 | 18.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 688 |
| TS @ 19.5' | 5/18/2021 | 19.5 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 624 |
| BSN @ 10' | 5/24/2021 | 10 | In-Situ | - | - | - | - | - | - | - | 912 |
| BSN @ 12' | 5/24/2021 | 12 | In-Situ | - | - | - | - | - | - | - | 1,070 |
| BSN @ 14' | 5/24/2021 | 14 | In-Situ | - | - | - | - | - | - | - | 800 |
| BSN @ 16' | 5/24/2021 | 16 | In-Situ | - | - | - | - | - | - | - | 1,060 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| BSN @ 18' | 5/24/2021 | 18 | In-Situ | - | - | - | - | - | - | - | 784 |
| BSS @ 10' | 5/24/2021 | 10 | In-Situ | - | - | - | - | - | - | - | 400 |
| BSS @ 12' | 5/24/2021 | 12 | In-Situ | - | - | - | - | - | - | - | 976 |
| BSS @ 14' | 5/24/2021 | 14 | In-Situ | - | - | - | - | - | - | - | 848 |
| BSS @ 16' | 5/24/2021 | 16 | In-Situ | - | - | - | - | - | - | - | 1,040 |
| BSS @ 18' | 5/24/2021 | 18 | In-Situ | - | - | - | - | - | - | - | 864 |
| Pad Excavation Samples | | | | | | | | | | | |
| NW 1 | 3/21/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| NW 2 | 3/21/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 448 |
| NW 3 | 4/26/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| NW 4 | 4/26/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| NW 5 | 4/26/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 16.0 |
| EW 1 | 4/8/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| EW 2 | 4/8/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| EW 3 | 4/8/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| EW 4 | 4/8/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| SW 1 | 3/15/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 496 |
| SW 2 | 4/8/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| SW 3 | 3/30/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| SW 4 | 3/30/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| SW 5 | 3/30/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| SW 6 | 4/8/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| WW 1 | 3/15/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| WW 2 | 3/17/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| WW 3 | 3/21/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| WW 4 | 4/26/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| WW 5 | 4/26/2021 | 0-2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FL 1 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 2 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FL 3 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 4 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 5 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 6 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 7 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 8 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |
| FL 9 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 10 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 11 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 12 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| FL 13 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 14 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 15 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 16 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| FL 17 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 18 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 19 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 20 @ 2' | 3/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 544 |
| FL 21 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 22 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FL 23 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FL 24 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FL 25 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 26 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 27 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 28 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 29 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 30 @ 2' | 3/16/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 31 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 32 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 33 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 34 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 35 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| FL 36 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 37 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 38 @ 2' | 3/17/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 39 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 40 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 41 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 42 @ 2' | 3/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 43 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 496 |
| FL 44 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 45 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 46 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FL 47 @ 2' | 3/18/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| FL 48 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 49 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 50 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 51 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 52 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 53 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FL 54 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 55 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 56 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 57 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 58 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 59 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 60 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FL 61 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| FL 62 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 63 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 64 @ 3' | 3/23/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 65 @ 3' | 3/23/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 66 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 67 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 68 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 69 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 70 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 71 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 72 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| FL 73 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 74 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 75 @ 2' | 3/21/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 76 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 77 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 78 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| FL 79 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 80 @ 3' | 3/21/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 81 @ 4' | 3/24/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 82 @ 4' | 3/24/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 83 @ 3' | 3/23/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 84 @ 3' | 3/23/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 85 @ 3' | 3/23/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 86 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 87 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 88 @ 2' | 3/23/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 89 @ 4' | 3/24/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 90 @ 4' | 3/24/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| FL 91 @ 2' | 3/24/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 92 @ 2' | 3/24/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 93 @ 2' | 3/24/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 94 @ 2' | 3/24/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 95 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 96 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 97 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 98 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 99 @ 3' | 3/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 100 @ 3' | 3/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 101 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 32.0 |
| FL 102 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 103 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 104 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 105 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FL 106 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 107 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 108 @ 3' | 3/30/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 109 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 80.0 |
| FL 110 @ 2' | 3/30/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 96.0 |
| FL 111 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 112 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 113 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 114 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 544 |
| FL 115 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 116 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 117 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 118 @ 2' | 3/31/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 64.0 |
| FL 119 @ 4' | 4/7/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 120 @ 4' | 4/7/2021 | 4 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 121 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 160 |
| FL 122 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 448 |
| FL 123 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 288 |
| FL 124 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 125 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 126 @ 2' | 4/7/2021 | 2 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 640 |
| FL 126 @ 3' | 4/15/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 127 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 272 |
| FL 128 @ 2' | 4/7/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 576 |
| FL 129 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 560 |
| FL 130 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 464 |
| FL 131 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| FL 132 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FL 133 @ 3' | 4/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 320 |
| FL 134 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 496 |
| FL 135 @ 3' | 4/8/2021 | 3 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 304 |
| FL 136 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 112 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 137 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 48.0 |
| FL 138 @ 2' | 4/8/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 139 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 140 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 141 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 142 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 143 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 144 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 145 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 146 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 147 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 336 |
| FL 148 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 149 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| FL 150 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 448 |
| FL 151 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 152 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 153 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 154 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 480 |
| FL 155 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 156 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 157 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 158 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 159 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 160 @ 2' | 4/12/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 161 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 352 |
| FL 162 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 163 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 384 |
| FL 164 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 416 |
| FL 165 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 400 |
| FL 166 @ 2' | 4/13/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 368 |
| FL 167 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 168 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 176 |
| FL 169 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 170 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 171 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 192 |
| FL 172 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 173 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 174 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 224 |
| FL 175 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 240 |
| FL 176 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 177 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Mewbourne Oil Company
Hoss 11 SWD #1
NMOCD Ref. #: nRM2018244476

| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
|----------------------------|-----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| Pasture Excavation Samples | | | | | | | | | | | |
| FL 178 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 256 |
| FL 179 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 208 |
| FL 180 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 144 |
| FL 181 @ 2' | 4/15/2021 | 2 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 128 |
| Pasture Excavation Samples | | | | | | | | | | | |
| NWp1 | 8/24/2020 | 0-4 | In-Situ | <0.025 | <0.221 | <4.90 | <9.40 | <14.3 | <47.0 | <61.3 | <63.0 |
| NWp2 | 8/24/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <4.90 | <9.70 | <14.6 | <48.0 | <62.6 | <60.0 |
| NWp3 | 8/24/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <4.90 | <9.80 | <14.7 | <49.0 | <63.7 | <60.0 |
| NWp4 | 9/1/2020 | 0-4 | In-Situ | <0.025 | <0.225 | <5.00 | <9.60 | <14.6 | <48.0 | <62.6 | <60.0 |
| NWp5 | 9/1/2020 | 0-4 | In-Situ | <0.024 | <0.215 | <4.80 | <9.90 | <14.7 | <50.0 | <64.7 | 240 |
| NWp6 | 9/1/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <4.90 | <9.80 | <14.7 | <49.0 | <63.7 | 120 |
| NWp7 | 9/1/2020 | 0-4 | In-Situ | <0.025 | <0.221 | <4.90 | <9.70 | <14.6 | <47.0 | <61.6 | 130 |
| NWp8 | 9/1/2020 | 0-4 | In-Situ | <0.023 | <0.207 | <4.60 | <9.70 | <14.3 | <48.0 | <62.3 | 110 |
| NWp9 | 9/1/2020 | 0-4 | In-Situ | <0.023 | <0.211 | <4.70 | <9.90 | <14.6 | <49.0 | <63.6 | 600 |
| EWp1 | 9/2/2020 | 0-4 | In-Situ | <0.025 | <0.225 | <5.00 | <8.80 | <13.8 | <44.0 | <57.8 | <60.0 |
| EWp2 | 9/2/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <4.90 | <9.90 | <14.8 | <50.0 | <64.8 | <60.0 |
| EWp3 | 9/2/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <4.90 | <9.90 | <14.8 | <49.0 | <63.8 | <60.0 |
| EWp4 | 9/2/2020 | 0-4 | In-Situ | <0.024 | <0.220 | <4.90 | <9.70 | <14.6 | <49.0 | <63.6 | <60.0 |
| SWp1 | 8/24/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <5.00 | <9.60 | <14.6 | <48.0 | <62.6 | 81.0 |
| SWp2 | 9/1/2020 | 0-4 | In-Situ | <0.025 | <0.222 | <4.90 | <9.70 | <14.6 | <48.0 | <62.6 | 150 |
| SWp3 | 9/1/2020 | 0-4 | In-Situ | <0.024 | <0.215 | <4.80 | <9.70 | <14.5 | <48.0 | <62.5 | <59.0 |
| SWp4 | 9/2/2020 | 0-4 | In-Situ | <0.025 | <0.221 | <4.90 | <9.80 | <14.7 | <49.0 | <63.7 | 140 |
| SWp5 | 9/2/2020 | 0-4 | In-Situ | <0.024 | <0.216 | <4.80 | <9.50 | <14.3 | <47.0 | <61.3 | <60.0 |
| FL 182 @ 6' | 5/13/2021 | 6 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 656 |
| FL 183 @ 6' | 5/13/2021 | 6 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 816 |
| FL 184 @ 11' | 5/13/2021 | 11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 816 |
| FL 185 @ 11' | 5/13/2021 | 11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 880 |
| FL 186 @ 11' | 5/13/2021 | 11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 896 |
| FL 187 @ 11' | 5/13/2021 | 11 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 800 |
| FL 188 @ 10' | 5/14/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 864 |
| FL 189 @ 10' | 5/14/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 768 |
| FL 190 @ 10' | 5/14/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 704 |
| FL 191 @ 10' | 5/14/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 832 |
| FL 198 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 432 |
| FL 199 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 704 |
| FL 200 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 992 |
| FL 201 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 928 |
| FL 202 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 768 |
| FL 203 @ 10' | 6/1/2021 | 10 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,280 |
| FL 203 @ 11' | 6/4/2021 | 11 | In-Situ | - | - | - | - | - | - | - | 752 |

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

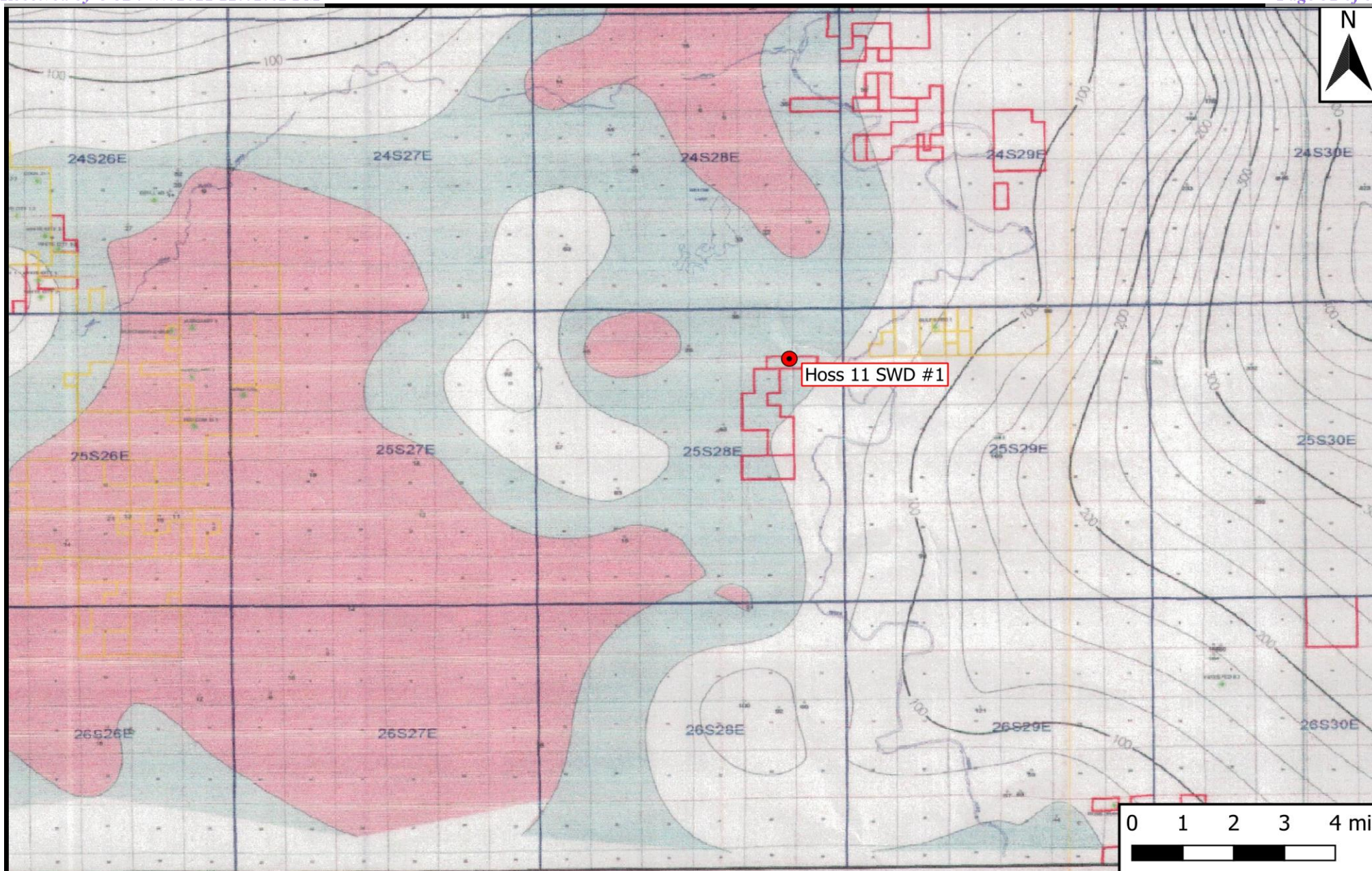
| Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Mewbourne Oil Company Hoss 11 SWD #1 NMOCD Ref. #: nRM2018244476 | | | | | | | | | | | |
|---|----------|--------------|-------------|-----------------|--------------|---|--|---|--|---|------------------|
| NMOCD Closure Criteria | | | | 10 | 50 | - | - | - | - | 100 | 1,060 |
| NMOCD Reclamation Standard | | | | 10 | 50 | - | - | - | - | 100 | 600 |
| Sample ID | Date | Depth (Feet) | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| FL 204 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 640 |
| FL 205 @ 10' | 6/1/2021 | 10 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,230 |
| FL 205 @ 11' | 6/4/2021 | 11 | In-Situ | - | - | - | - | - | - | - | 720 |
| FL 206 @ 10' | 6/1/2021 | 10 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,020 |
| FL 207 @ 9' | 6/1/2021 | 9 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 896 |
| FL 208 @ 9' | 6/1/2021 | 9 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 944 |
| FL 209 @ 9' | 6/1/2021 | 9 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,200 |
| FL 209 @ 10' | 6/4/2021 | 10 | In-Situ | - | - | - | - | - | - | - | 704 |
| FL 210 @ 9' | 6/1/2021 | 9 | In-Situ | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,060 |
| FL 211 @ 9' | 6/1/2021 | 9 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,120 |
| FL 211 @ 10' | 6/4/2021 | 10 | In-Situ | - | - | - | - | - | - | - | 416 |
| FL 212 @ 9' | 6/1/2021 | 9 | Excavated | <0.050 | <0.300 | <10.0 | <10.0 | <20.0 | <10.0 | <30.0 | 1,250 |
| FL 212 @ 10' | 6/4/2021 | 10 | In-Situ | - | - | - | - | - | - | - | 848 |

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

Bold: NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

Appendix A

Depth to Groundwater Information



Legend

● Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 Hoss 11 SWD #1
 GPS: 32.151564, -104.050164
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 3/4/21



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| POD Number | Code | Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | DepthWell | DepthWater | Water Column |
|-------------------------|------|-----------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-----------|------------|--------------|
| C_01880 | | C | ED | 3 | 3 | 2 | 06 | 25S | 29E | 592161 | 3558605* | 2767 | 85 | 40 | 45 |
| Average Depth to Water: | | | | | | | | | | | | | | 40 feet | |
| Minimum Depth: | | | | | | | | | | | | | | 40 feet | |
| Maximum Depth: | | | | | | | | | | | | | | 40 feet | |

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 589570.98

Northing (Y): 3557630.74

Radius: 3220

*UTM location was derived from PLSS - see Help

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

8/4/20 11:16 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
|----------|------------|-----|-----|----|-----|-----|-----|--------|----------|
| C | 01880 | 3 | 3 | 2 | 06 | 25S | 29E | 592161 | 3558605* |

x

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: MURRELL ABBOTT

Drill Start Date: 10/29/1979

Drill Finish Date: 10/30/1979

Plug Date:
Log File Date: 11/05/1979

PCW Rcv Date:
Source: Shallow

Pump Type:
Pipe Discharge Size:
Estimated Yield:
Casing Size: 7.00

Depth Well: 85 feet

Depth Water: 40 feet

x

Water Bearing Stratifications:
Top Bottom Description

40 85 Sandstone/Gravel/Conglomerate

x

Casing Perforations:
Top Bottom

40 60

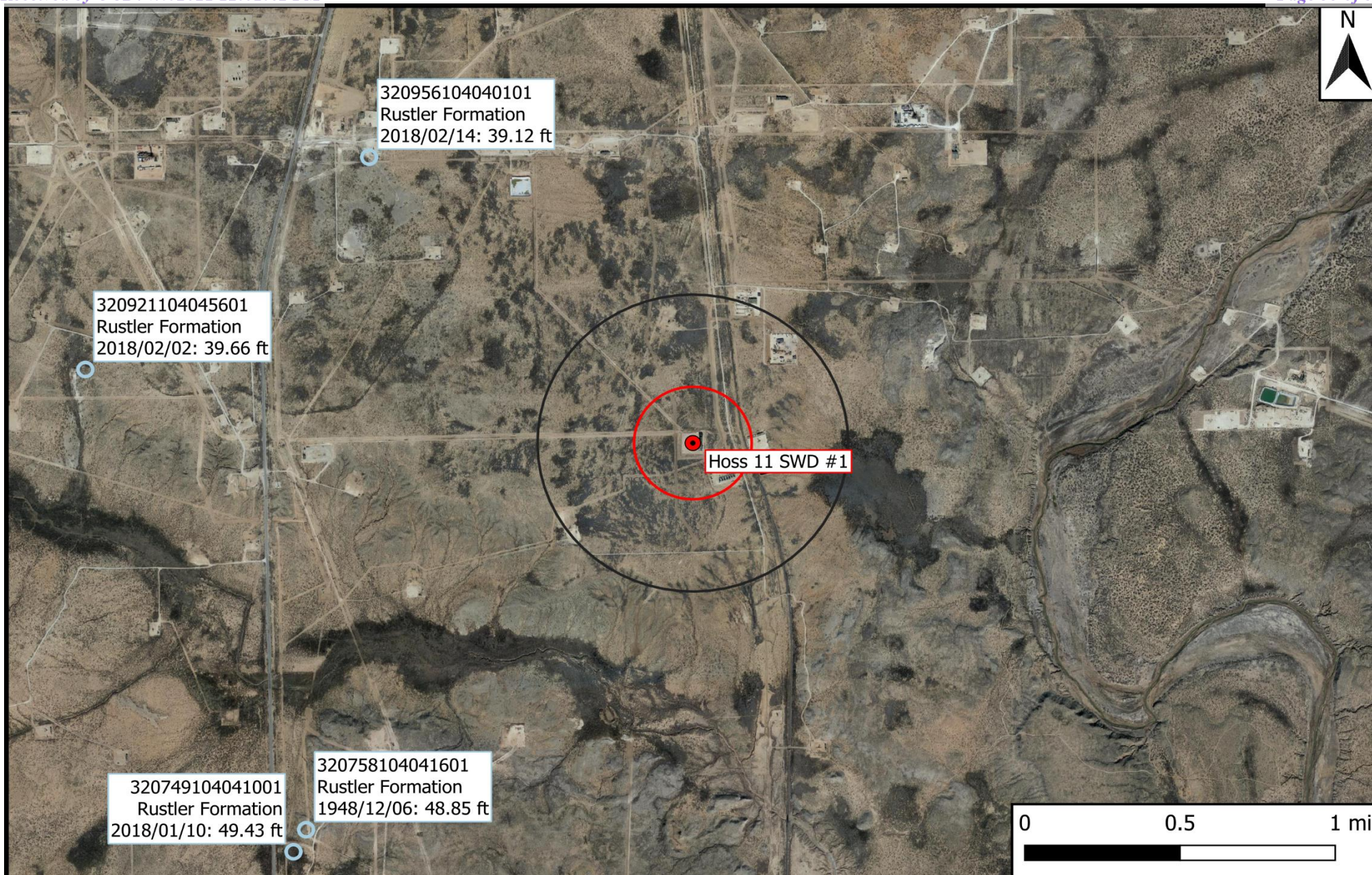
x

*UTM location was derived from PLSS - see Help

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

8/4/20 11:16 AM

POINT OF DIVERSION SUMMARY



Legend

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

Figure 5

USGS Well Proximity Map
Mewbourne Oil Company
Hoss 11 SWD #1
GPS: 32.151564, -104.050164
Eddy County



Drafted: bja

Checked: jwl

Date: 6/16/21



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click for News Bulletins

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =
• 320956104040101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320956104040101 25S.28E.03.22231

Eddy County, New Mexico

Latitude 32°09'56.2", Longitude 104°04'04.1" NAD83

Land-surface elevation 2,990.20 feet above NGVD29

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

| |
|------------------------------------|
| Table of data |
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| | | | | | | | | | | | |
| 1948-12-06 | | | D | 72019 | 32.27 | | | 1 | Z | | A |
| 1978-01-03 | | | D | 72019 | 32.97 | | | 1 | Z | | A |
| 1983-02-01 | | | D | 72019 | 25.87 | | | 1 | Z | | A |
| 1987-10-14 | | | D | 72019 | 29.27 | | | 1 | Z | | A |
| 1988-03-22 | | | D | 72019 | 29.93 | | | 1 | Z | | A |
| 1992-11-04 | | | D | 72019 | 35.03 | | | 1 | S | | A |
| 1998-01-23 | | | D | 72019 | 33.84 | | | 1 | S | | A |
| 2003-01-27 | | | D | 72019 | 32.08 | | | 1 | S | USGS | A |
| 2013-01-10 | 21:20 UTC | m | 72019 | 33.56 | | | | 1 | S | USGS | A |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status | |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|---|
| | | | | | | | | | | | | |
| 2018-02-14 | 16:56 UTC | m | 72019 | 39.12 | | | | 1 | V | USGS | S | A |
| 2021-02-24 | 19:00 UTC | m | 72019 | 42.79 | | | | 1 | S | USGS | S | P |

Explanation

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

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

Accessibility FOIA Privacy Policies and Notices

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-05-07 16:44:45 EDT

0.31 0.25 nadww02





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click for News Bulletins

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320921104045601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320921104045601 25S.28E.04.42444

Eddy County, New Mexico

Latitude 32°09'19.4", Longitude 104°05'00.6" NAD83

Land-surface elevation 2,973.30 feet above NGVD29

The depth of the well is 68 feet below land surface.

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

| |
|------------------------------------|
| Table of data |
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|----------------------|----------------------|---|------------------------|---|---|---------------------------------|----------------------|-------------------------------|--------------------------|-------------------------------|--|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 1983-02-16 | | | D | 72019 | 25.05 | | | 1 | Z | | A |
| 1987-10-14 | | | D | 72019 | 23.02 | | | 1 | Z | | A |
| 1992-11-18 | | | D | 72019 | 25.80 | | | 1 | S | | A |
| 1998-01-23 | | | D | 72019 | 27.74 | | | 1 | S | | A |
| 2003-01-27 | | | D | 72019 | 29.17 | | | 1 | S | USGS | A |
| 2013-01-10 | 21:00 UTC | m | | 72019 | 31.90 | | | 1 | S | USGS | A |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| | | | 72019 | | | | | | | | |
| 2018-02-14 | 17:22 UTC | m | 72019 | 39.66 | | | 3 | S | USGS | S | A |
| 2021-02-24 | 19:26 UTC | m | 72019 | 35.00 | | | 1 | S | USGS | S | A |

Explanation

| Section | Code | Description |
|--------------------------------|--------|--|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level date-time accuracy | m | Date is accurate to the Minute |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Status | 3 | True value is above reported value due to local conditions |
| Method of measurement | S | Steel-tape measurement. |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Measuring agency | USGS | U.S. Geological Survey |
| Source of measurement | | Not determined |
| Source of measurement | S | Measured by personnel of reporting agency. |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

Accessibility FOIA Privacy Policies and Notices

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-06-16 16:13:08 EDT

0.36 0.32 nadww01





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click for News Bulletins

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320758104041601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320758104041601 25S.28E.15.23231

Eddy County, New Mexico

Latitude 32°07'58", Longitude 104°04'16" NAD27

Land-surface elevation 2,962 feet above NAVD88

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

| |
|------------------------------------|
| Table of data |
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water-level approval status |
|---|----------------------|---|------------------------------------|---|---|---------------------------------|--------------------------------|--------------------------------|--------------------------|-------------------------------|--|
| <input type="text" value="1948-12-06"/> | <input type="text"/> | <input type="text"/> | <input type="text" value="72019"/> | <input type="text" value="48.85"/> | <input type="text"/> | <input type="text"/> | <input type="text" value="1"/> | <input type="text" value="Z"/> | <input type="text"/> | <input type="text"/> | <input type="text" value="A"/> |

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

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-06-16 16:16:08 EDT

0.44 0.33 nadww01





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

Click forNews Bulletins

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320749104041001

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320749104041001 25S.28E.15.23000

Eddy County, New Mexico
Latitude 32°07'54.6", Longitude 104°04'20.3" NAD83
Land-surface elevation 2,949.30 feet above NGVD29
The depth of the well is 70 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status |
|------------|------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| 1975-12-09 | | | D | 72019 | 48.50 | | | 1 | Z | | A |
| 1976-01-16 | | | D | 72019 | 48.66 | | | 1 | Z | | A |
| 1977-01-14 | | | D | 72019 | 48.93 | | | 1 | Z | | A |
| 1978-02-23 | | | D | 72019 | 49.79 | | | 1 | Z | | A |
| 1983-02-01 | | | D | 72019 | 46.67 | | | 1 | Z | | A |
| 1987-10-14 | | | D | 72019 | 45.03 | | | 1 | Z | | A |
| 1992-11-04 | | | D | 72019 | 47.95 | | | 3 | S | | A |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurement | ? Water- level approval status |
|------------|-----------|---|------------------------|---|---|---------------------------------|-------------|-------------------------------|--------------------------|-------------------------------|--|
| | | | 72019 | | | | | | | | |
| 1998-01-23 | | | D | 72019 | 49.94 | | | 1 | S | | A |
| 2003-01-27 | | | D | 72019 | 49.87 | | | 1 | S | USGS | A |
| 2013-01-10 | 18:45 UTC | | m | 72019 | 49.43 | | | 1 | S | USGS | A |

| Explanation | | |
|--------------------------------|--------|--|
| Section | Code | Description |
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level date-time accuracy | m | Date is accurate to the Minute |
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Status | 3 | True value is above reported value due to local conditions |
| Method of measurement | S | Steel-tape measurement. |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Measuring agency | USGS | U.S. Geological Survey |
| Source of measurement | | Not determined |
| Source of measurement | S | Measured by personnel of reporting agency. |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-06-16 16:17:31 EDT

0.35 0.3 nadww02



Appendix B

Field Data & Soil Profile Logs

Sample Log

Date:

7/15/20

Project: Hoss SWD

Project Number: 12712

Latitude: 32.151564

Longitude: -104.050164

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|--------------|----------|-------------------|-----|
| SH3 @ Surf. | | 1.4 112 | |
| SH3 @ 1' | | 1.9 160 | |
| SH3 @ Surf. | | 2.6 276 | |
| SH3 @ 1' | | 1.6 732 | |
| SP8 @ Surf. | | > 2584 8776 15528 | |
| SP8 @ 1' | | 72584 8776 | |
| SP9 @ Surf. | | 12680 796 | |
| SP9 @ 1' | | 796 | |
| SP8 @ 2' | | 72584 | |
| SP8 @ 3' | | > 2584 | |
| SP8 @ 4' | | > 2584 | |
| SP9 @ 2' | | 1336 | |
| SH3A @ Surf. | | 432 | |
| SH3A @ 1' | | 796 | |
| SP8 @ 5' | | 2584 5748 | |
| SH3B @ Surf. | | 520 | |
| SH3B @ 1' | | 860 | |
| SP9 @ 3' | | 348 | |
| SP9 @ 4' | | 1076 | |
| SP9 @ 5' | | 676 | |
| SH3C @ Surf. | | 244 | |
| SH3C @ 1' | | 796 | |
| SH7 @ Surf. | | 476 | |
| SH7 @ 1' | | 308 | |
| SH1 @ Surf. | | 184 | |
| SH1 @ 1' | | 184 | |
| WH2 @ Surf. | | 212 | |
| WH2 @ 1' | | 212 | |
| WH1 @ Surf. | | 160 | |
| WH1 @ 1' | | 244 | |
| NH1 @ Surf. | | 2212 | |
| NH1 @ 1' | | 676 | |
| EH2 @ Surf. | | < 112 | |
| EH2 @ 1' | | 312 | |
| EH1 @ Surf. | | < 112 | |
| EH1 @ 1' | | 132 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date:

7/15/20

Project: Hoss SWD

Project Number: 12712

Latitude: 32.151564

Longitude: -104.050164

| Sample ID | PID/Odor | Chloride Conc. | GPS |
|-------------|----------|----------------|------------------|
| NH2 @ surf | | 112 | |
| NH2 @ 1' | | 160 | |
| NH1A @ surf | | 620 | |
| NH1A @ 1' | | 344 | |
| NH1B @ surf | | 520 | |
| SH3D @ surf | | 512 | |
| SH3D @ 1' | | 184 | |
| 7/16/20 | | | |
| SP8 @ 6' | | 1908 | |
| SP8 @ 7' | | 1776 | |
| SP9 @ 6' | | 312 | |
| SP9 @ 7' | | 312 | |
| SP7 @ surf | | 72584 24756 | |
| SP7 @ 1' | | 1000 | |
| SP7 @ 2' | | 520 | |
| SP7 @ 3' | | 520 | |
| SP10 @ surf | | 72584 24756 | |
| SP10 @ 1' | | 860 | |
| SP10 @ 2' | | 244 | |
| SP4 @ surf | | 72584 24756 | |
| SP4 @ 1' | | 72584 | |
| SP4 @ 2' | | 72584 | |
| SP5 @ surf | | 19368 | SP1 @ surf 15204 |
| SP5 @ 1' | | 520 | SP1 @ 1' 348 |
| SP5 @ 2' | | 520 | SP1 @ 2' 348 |
| SP4 @ 3' | | 1432 | |
| SP4 @ 4' | | 520 | |
| SP6 @ surf | | 15528 | |
| SP6 @ 1' | | 476 | |
| SP6 @ 2' | | 476 | |
| SP3 @ surf | | 12680 | |
| SP3 @ 1' | | 348 | |
| SP3 @ 2' | | 476 | |
| SP2 @ surf | | 11570 | |
| SP2 @ 1' | | 2388 | |
| SP2 @ 2' | | 432 | |

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

continued samples on back

7-17-20

| Sample ID | Odor | Chloride Conc. |
|------------|------|----------------|
| SP 8 @ 8' | Q | 928 |
| SP 8 @ 9' | Q | 744 |
| SP 8 @ 10' | Q | 536 |
| SP 8 @ 11' | Q | 688 |
| SP 8 @ 12' | Q | 400 |



Soil Profile

Date: 7.22.20

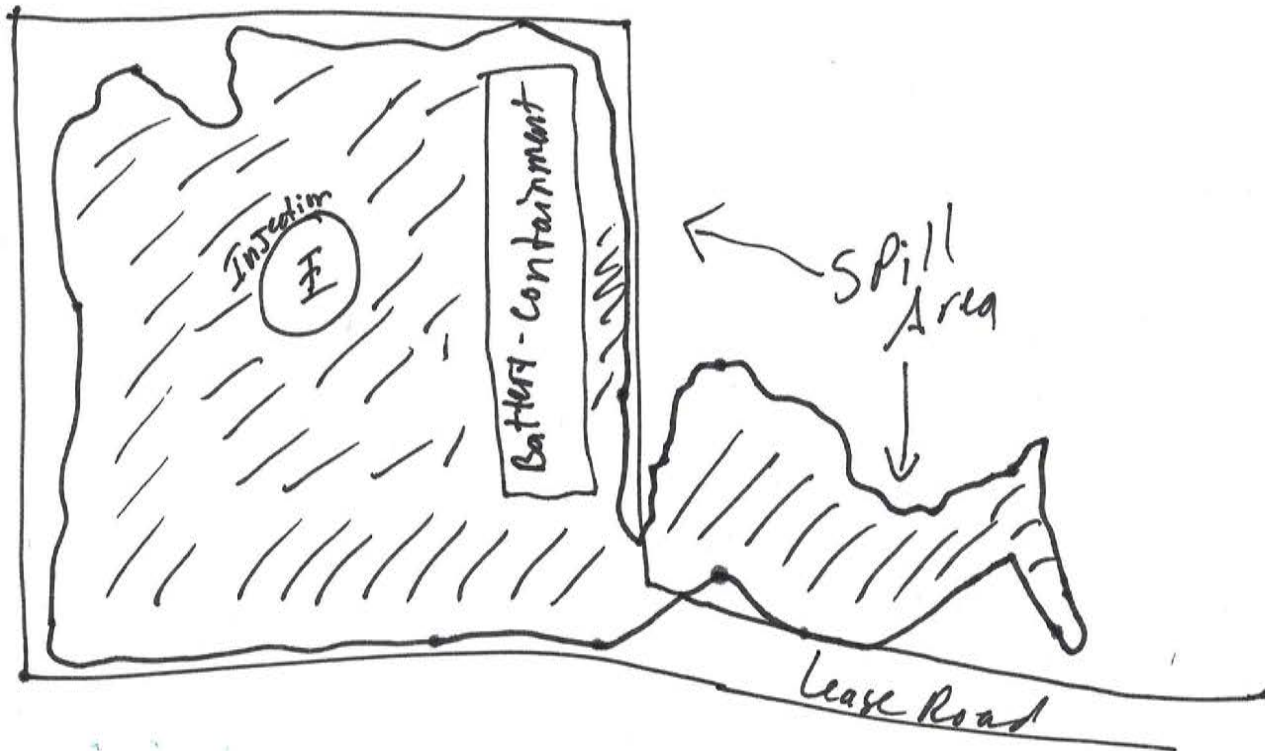
Project: Hoss 11 SWD #1
Project Number: 12712 Latitude: 32.151564 Longitude: -104.050164

| Depth (ft. bgs) | Description |
|-----------------|-------------------------------------|
| 1 | 0-6" - caliche |
| 2 | 6" - 4' - Red Bed clay - gypsum |
| 3 | 4' - 14' - Sand - Clay - gypsum mix |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |
| 31 | |
| 32 | |
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |

Initial Release Assessment Form

Project: Hoss 11 SWD #1 Clean Up Level: 0
 Date: 7-15-20
 Project Number: 12712 Latitude: 32.151564 Longitude: -104.050164

Site Diagram



Notes:

Notes section with multiple horizontal lines for text entry.

~Length: 550' ~Width: 400' ~Area: 127,000 sq. ft ~Depth:


- 3-4 Representative Pictures of the Affected Area including sample locations?
- Necessary Samples Field Screened and on Ice?
- Sample and Field Screen Data Entered on Sample Log?
- Was horizontal and vertical delineation achieved?

| Yes | No |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> |

Appendix C

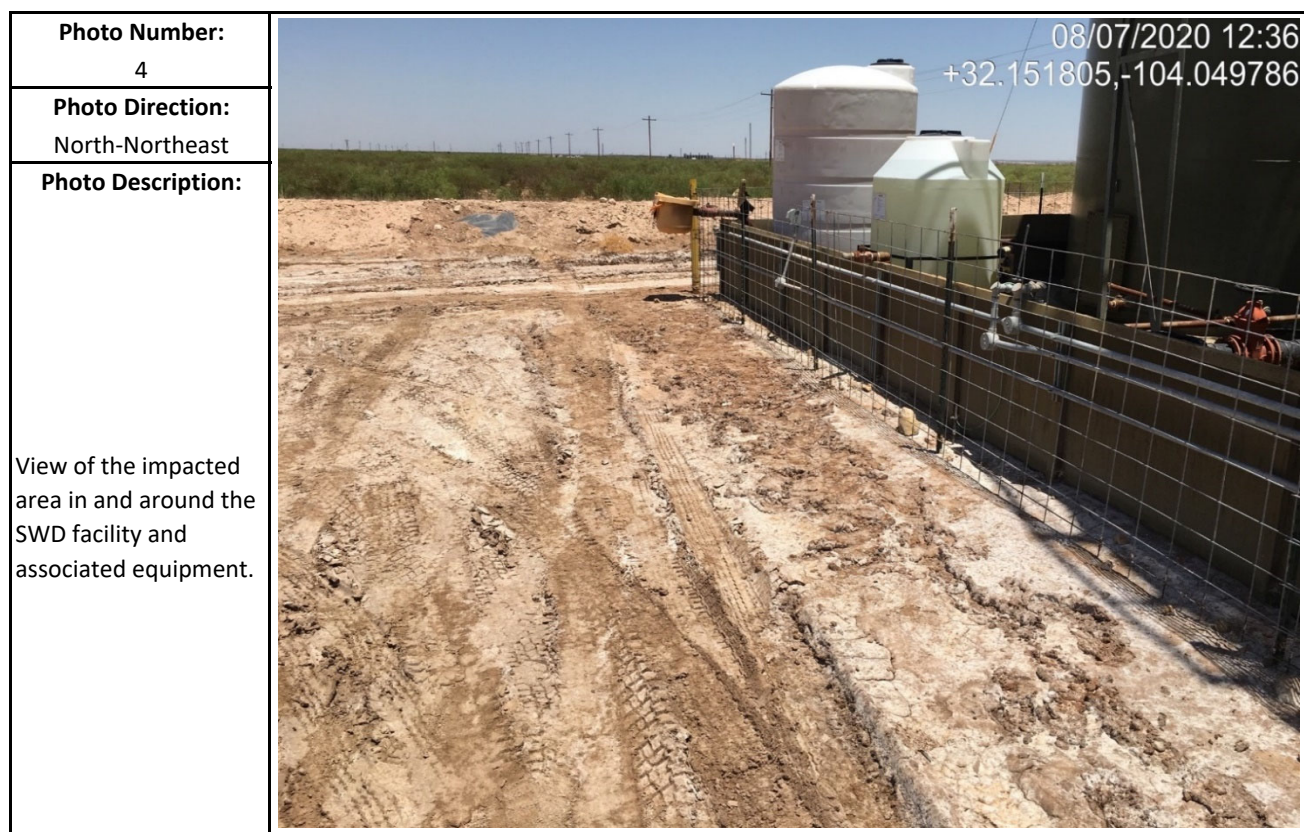
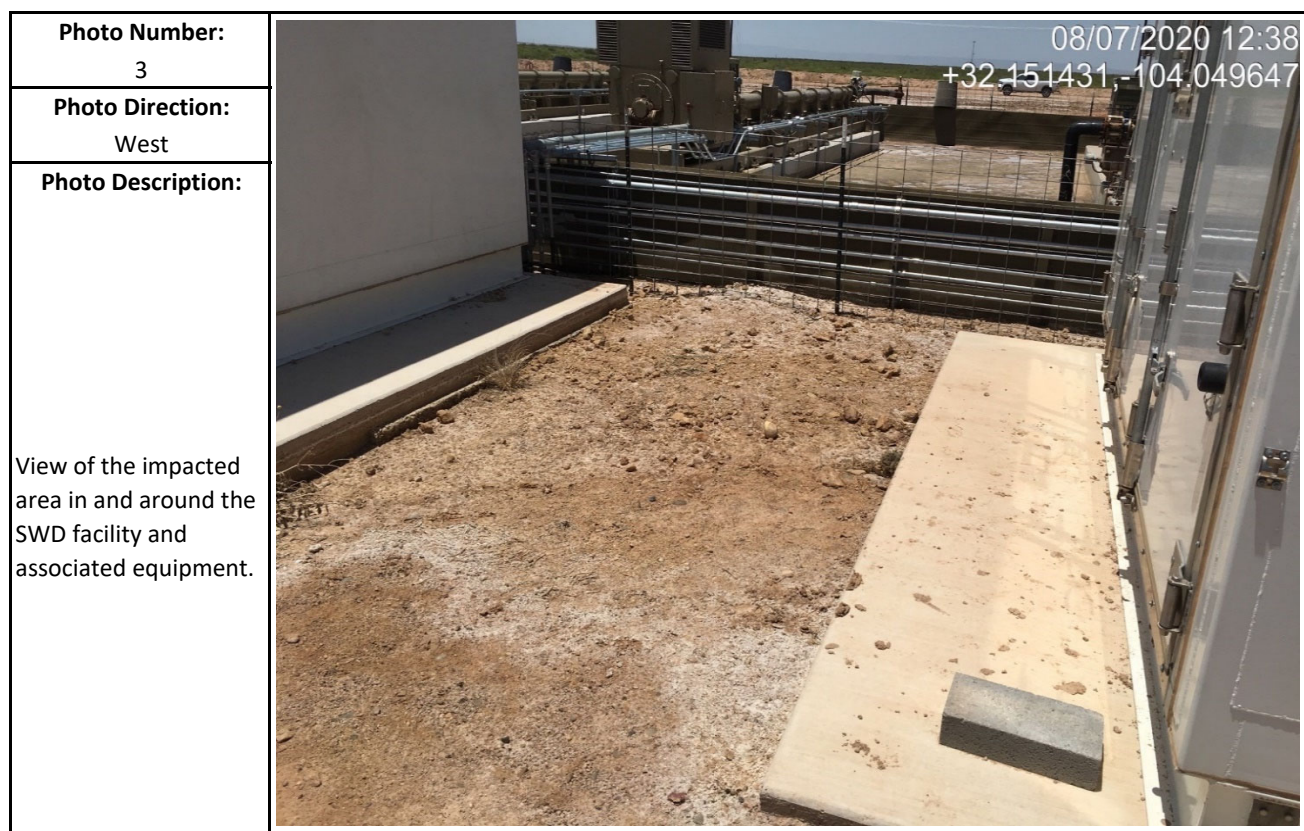
Photographic Log

Photographic Log

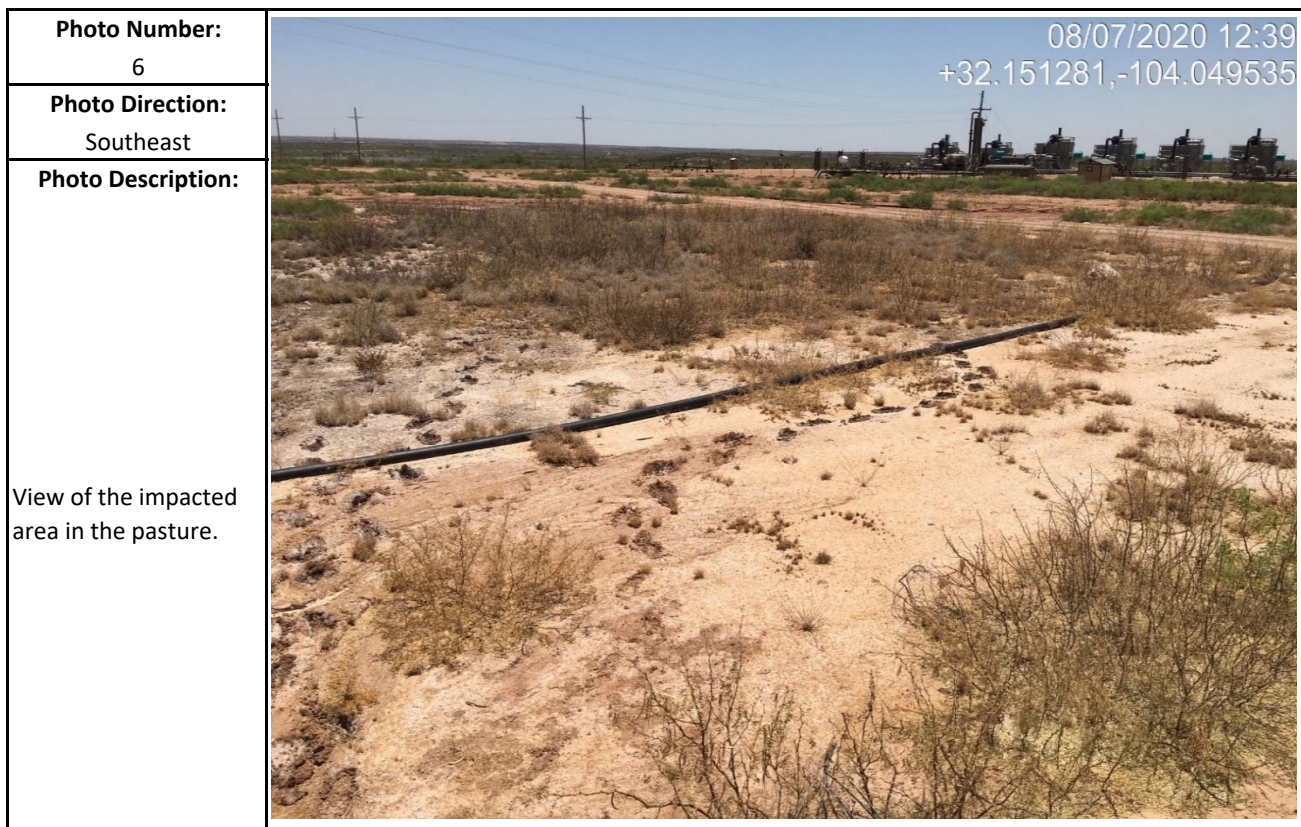
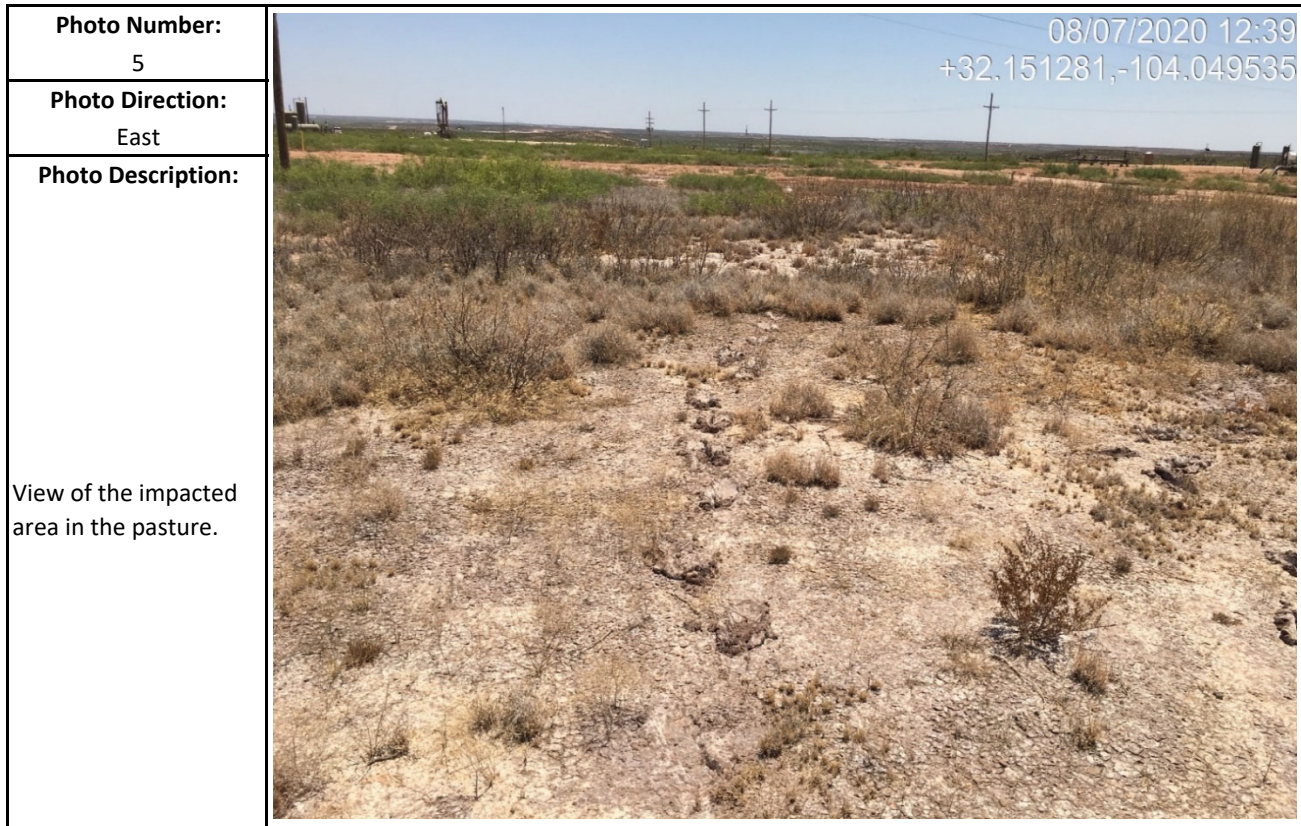
| | |
|--|--|
| Photo Number: 1 |  |
| Photo Direction: North | |
| Photo Description: Lease sign depicting location name. | |

| | |
|---|--|
| Photo Number: 2 |  |
| Photo Direction: Southeast | |
| Photo Description: View of the impacted area on the facility pad. | |

Photographic Log



Photographic Log



Photographic Log



Photographic Log



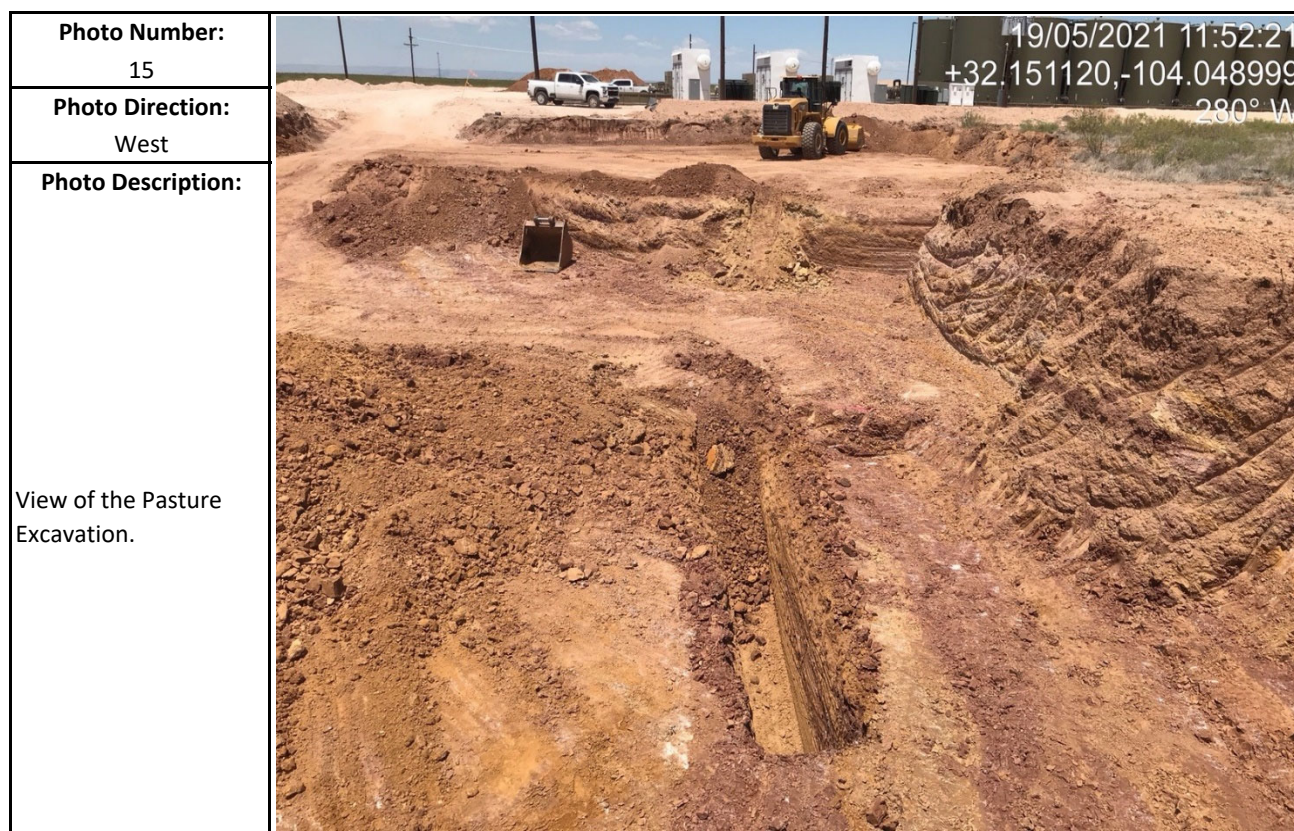
Photographic Log



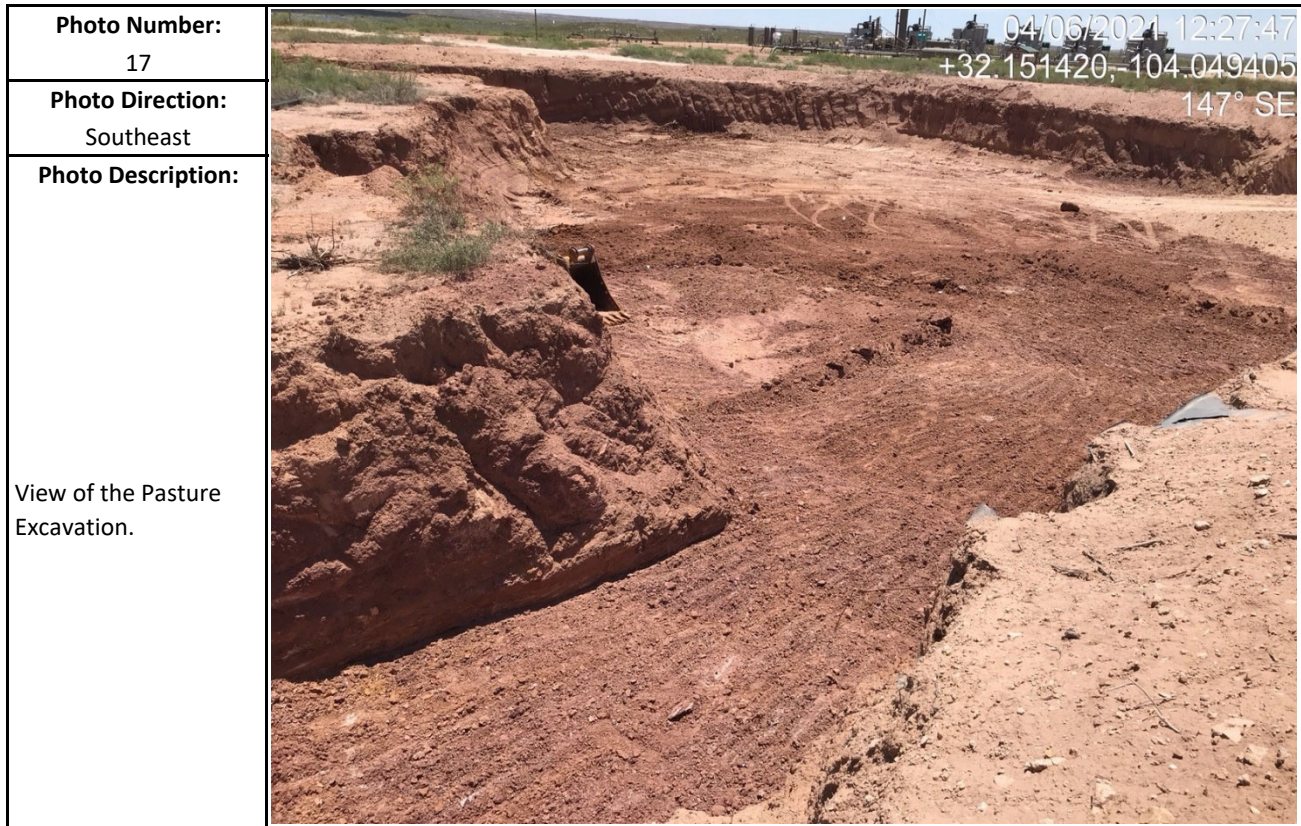
Photographic Log



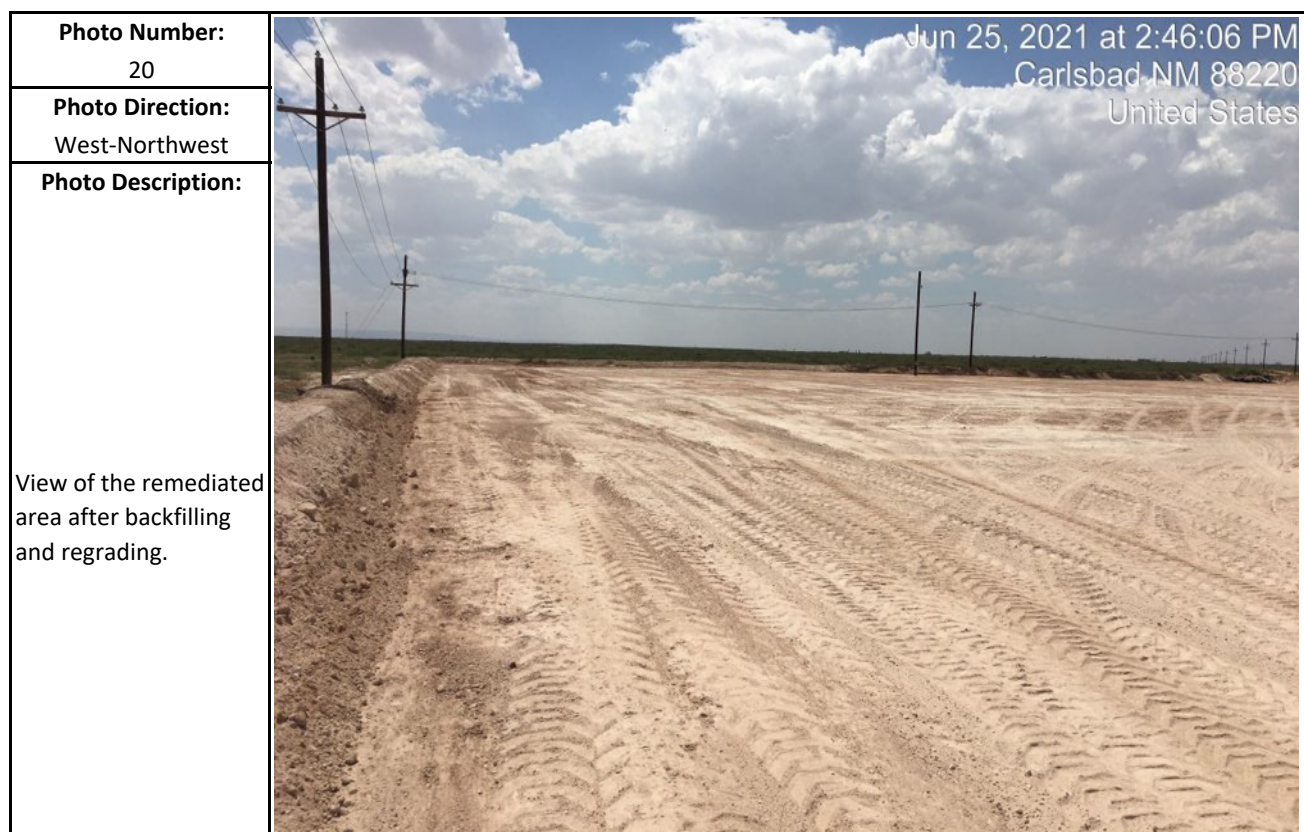
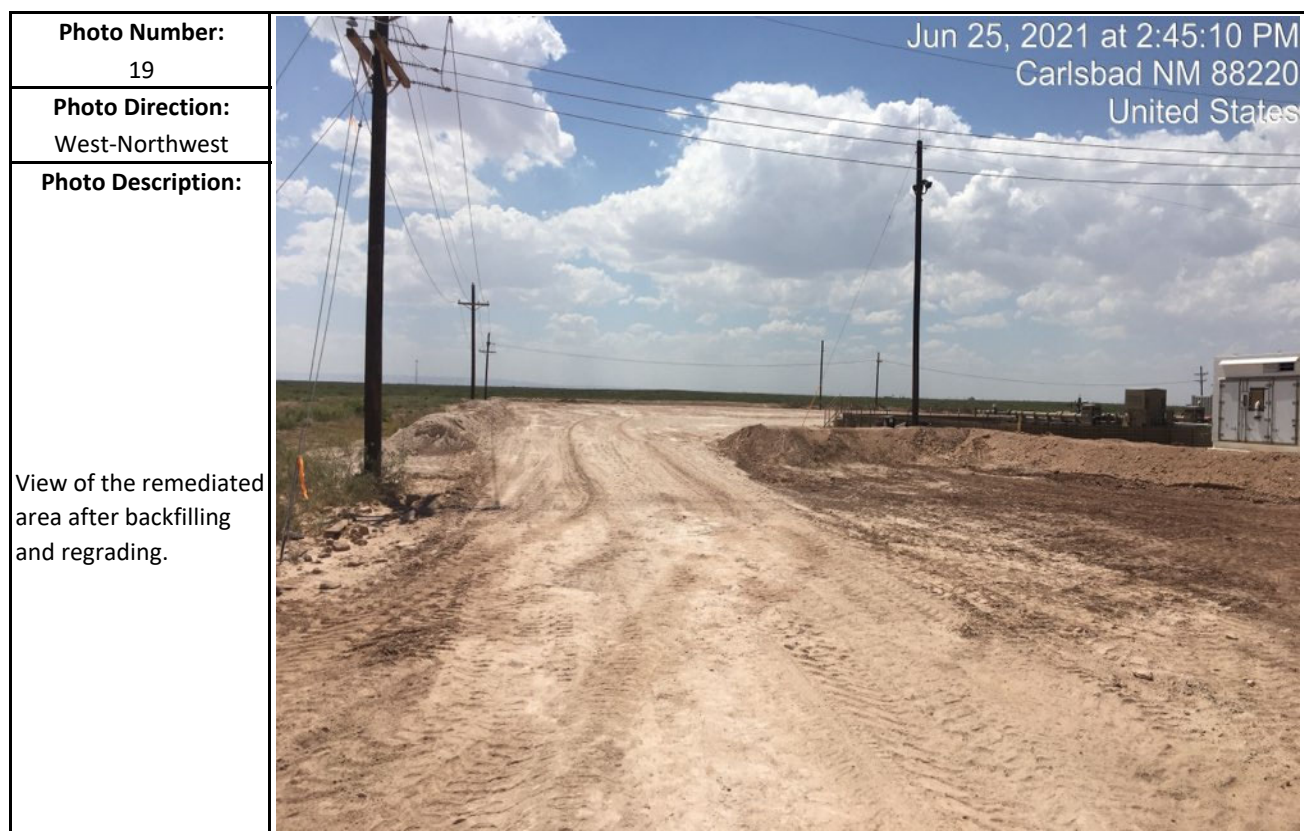
Photographic Log



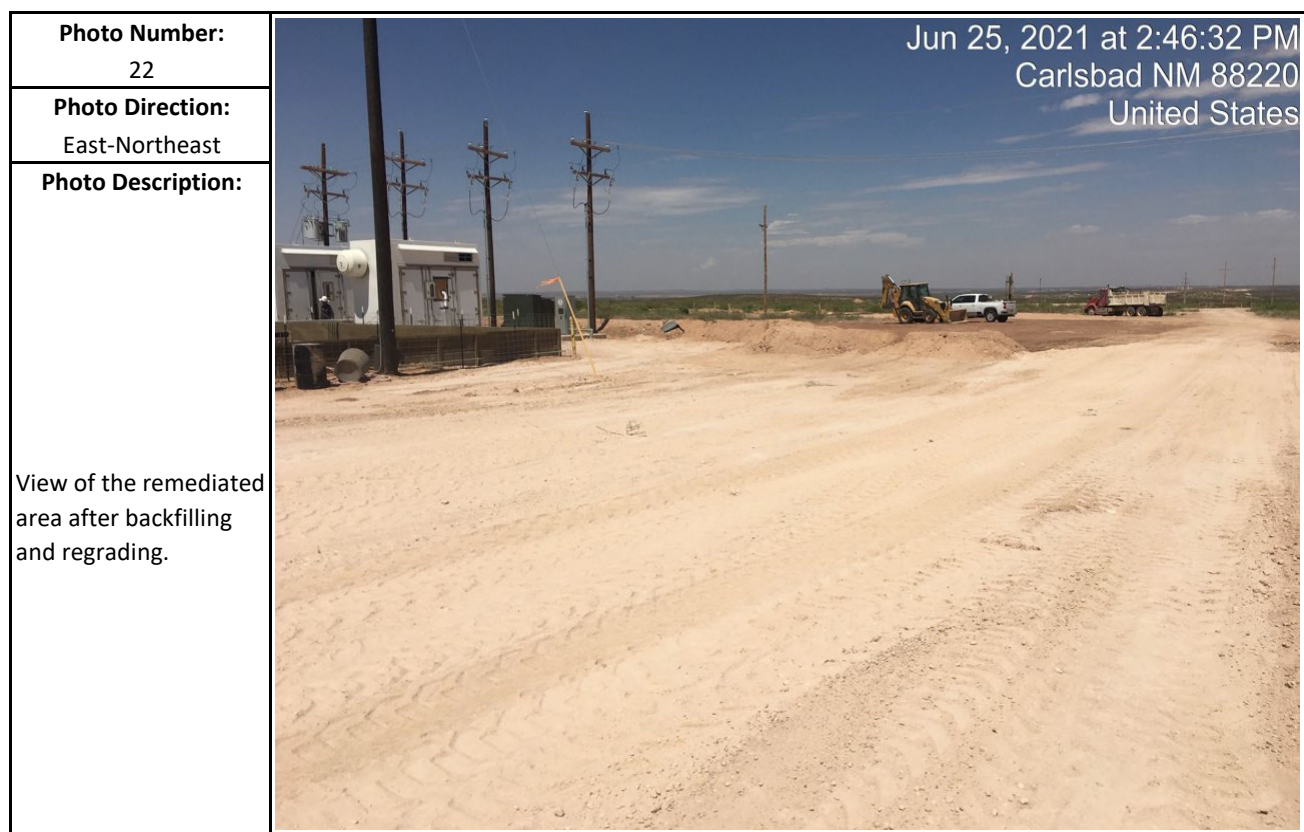
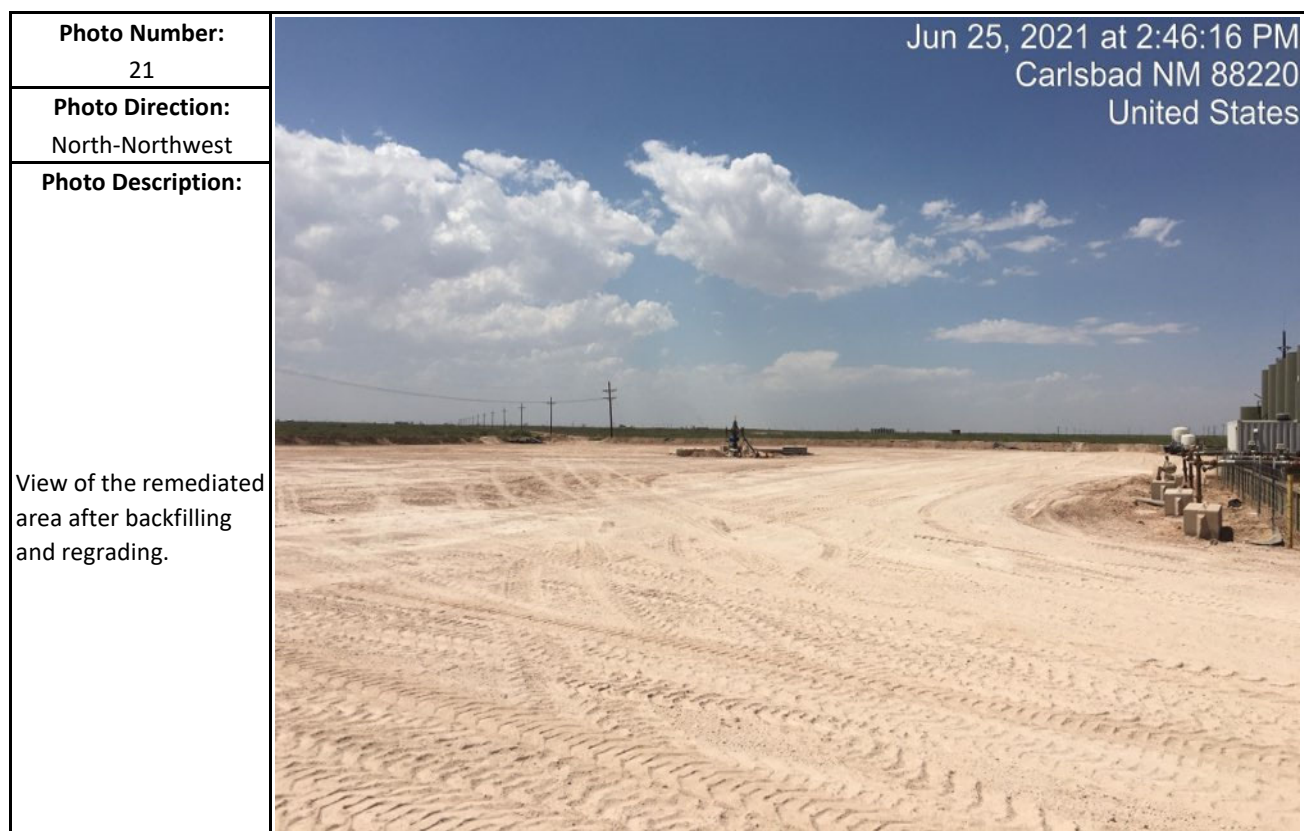
Photographic Log



Photographic Log



Photographic Log



Photographic Log



Appendix D

Cave/Karst Survey & Drilling Reports

**DRILL SITE CONSULTING
822 W. DELAWARE
HOBBS NM, 88242**

**MEWBOURNE: HOSS 11 SWD #1
SECTION 11, TOWNSHIP 25 SOUTH, RANGE 28 EAST
EDDY COUNTY, NEW MEXICO**

CAVE AND KARST SURFACE EVALUATION

15 AUGUST, 2020

BLM PROJECT NUMBER, NM

Work was started and completed on 15 August, 2020.

The HOSS 11 PAD was identified. A 200 meter perimeter was walked around the entire pad within certain boundaries. A main oil field road establishes the east boundary and existing oil and gas installations provided some other boundaries. The area was walked and checked for cave and karst concerns.

**Cave or karst concerns were identified. They are highlighted in RED.
No other cave or karst concerns were identified.**

Points were verified by using Garmin GPSMAP 64 hand-held GPS units with 13 S, WGS 83 as the datum.

The POINT LOCATIONS are for determining the route and serve no other purposes.

HOSS 11 PAD

| POINT LOCATION | EUTM | NUTM | DESCRIPTION |
|-----------------------|---------------|----------------|--------------------|
| NW PAD CORNER | 589512 | 3557689 | LOCATED |
| NE PAD CORNER | 589633 | 3557689 | LOCATED |
| SW PAD CORNER | 589513 | 3557564 | LOCATED |
| SE PAD CORNER | 589636 | 3557564 | LOCATED |
| C/L PAD | 589569 | 3557629 | LOCATED |

LUCID COMPRESSOR STATION PAD

| POINT LOCATION | EUTM | NUTM | DESCRIPTION |
|------------------------|--------|---------|-------------|
| NW CORNER OF PAD FENCE | 589620 | 3557475 | LOCATED |
| SW CORNER OF PAD FENCE | 589657 | 3557356 | LOCATED |
| SE CORNER OF PAD FENCE | 589834 | 3557410 | LOCATED |
| NE CORNER OF PAD FENCE | 589797 | 3557527 | LOCATED |

200 METER PERIMETER

| POINT LOCATION | EUTM | NUTM | DESCRIPTION |
|----------------|--------|---------|--------------------|
| NW CORNER | 589275 | 3577878 | LOCATED |
| NE CORNER | 589736 | 3577878 | C/L OIL FIELD ROAD |
| SW CORNER | 589314 | 3577368 | LOCATED |
| SE CORNER | 589314 | 3577368 | C/L OIL FIELD ROAD |

GRIDDING CRITERIA

The area was walked on 50 meter grid transects. The grid parameters were:

From east to west on 3557900N, 3557850N, 3557700N, 3557650N, 3557500N, & 3557450N starting at the main oil field road and stopping at 589300E,

and

From west to east on 3557800N, 3557750N, 3557600N, 3557550N, 3557400N, & 3557350N starting at 589300E and stopping at the main oil field road.

ADDITIONAL FINDINGS OBSERVED DURING THE GRIDDED WALK

- 1 SOLARIS BPL trending N-S on 589705E
- 2 LUCID BPL trending N-S on 589643E
- 3 LUCID BPL trending N-S on 589687E
- 4 4WIRE O/H POWER LINE trending N-S on 589640E
- 5 ORYX MIDSTREAM BPL trending NNW-SSE on 589483E
- 6 C/L road running NNW-SSE on 589391E
- 7 4 WIRE O/H POWER LINE trending NNW-SSE on 589385E
- 8 MEWBOURNE BWL on 589364E
- 9 A spill area ~40 feet square.

10 A valve located on the edge of the berm. Could be the source of the spill?? 589633E, 3557592N

The ground was composed of red/brown sandy soil. Small pieces of limestone are scattered in the walked area.

This evaluation includes only features apparent on the surface and does not include features which may exist sub-surface.

Photographs were taken.

David S. Belski
Cave and Karst Surface Evaluation



WELL PAD SIGNAGE



SURFACE DRAIN, 589304E, 3557882N, DEPTH UNKNOWN



SURFACE DRAIN, 589304E, 3557882N, DEPTH UNKNOWN



A 4" DIAMETER X 4+ FOOT DEEP HOLE DRILLED IN A SPILL AREA



A VALVE IN THE SPILL AREA, 589632E, 3557605N



A VALVE IN SPILL AREA, 589632E, 3557605N



TYPICAL SPILL AREA



CENTER OF SPILL AREA

**Ready DRILL LLC**

P.O. Box 7269
Abilene, Texas 79608
Tel 325-690-0053
Fax 325-698-0055

Drill Report

M1-0957

Date: Aug 24 Computer#: _____Customer: Newbourne 2 locations Exhilered.Lease/well: Hess II SWD #1

Drilling Rig: _____

Rig measurement: _____

One Call#: _____

Prep Time 0530 Standby _____
Depart Shop _____ Arrived at Shop _____
Arrive at Loc. _____ Total Hours _____
Finished Job _____

Employees: McCracken, Shawn, Dylan

| | Hole (Diameter x depth) | Pipe/cellar size | Total Drill Time |
|-----------|-------------------------|------------------|------------------|
| Cellar | | | |
| Conductor | | | |
| Mouse | | | |
| Rat | | | |

| Ground Level | Drilling conditions (describe material; rock, sand, gravel, clay, color of material, water zones, etc) |
|--------------|--|
| ----- | 53' Inside Containment "No water" |
| ----- | 17' outside During drill |
| ----- | Rowhide |
| ----- | |
| ----- | 105' Pad on Rowhide "No water" |
| ----- | During drill |
| ----- | |
| ----- | |
| Total Depth | |

| | | |
|----------------------------|---------------------------|--|
| Cement | Total yards poured: _____ | # Cement Trucks: _____ (volumetric/roller) |
| | (in-house) | Squeezed by: _____ (list third party) |
| Cement Employees: | | |
| Water trucks (in house) #: | 3rd party water/vac #: | |
| Drilling mud Bbls: | | |
| Bullet teeth Qty: | Fencing provided? | yes ___ no ___ Type of fencing _____ |

Job Notes

Appendix E

Laboratory Analytical Reports



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

July 29, 2020

Robbie Runnels
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
TEL: (575) 393-5905
FAX

RE: Hoss SWD

OrderNo.: 2007964

Dear Robbie Runnels:

Hall Environmental Analysis Laboratory received 40 sample(s) on 7/18/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EH1 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-001

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 59 | | mg/Kg | 20 | 7/22/2020 4:06:03 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Surr: BFB | 91.2 | 70-130 | | %Rec | 1 | 7/22/2020 2:23:52 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/22/2020 11:47:58 PM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/22/2020 11:47:58 PM | 53860 |
| Surr: DNOP | 59.9 | 55.1-146 | | %Rec | 1 | 7/22/2020 11:47:58 PM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 104 | 70-130 | | %Rec | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 88.1 | 70-130 | | %Rec | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Surr: Dibromofluoromethane | 109 | 70-130 | | %Rec | 1 | 7/22/2020 2:23:52 AM | 53809 |
| Surr: Toluene-d8 | 100 | 70-130 | | %Rec | 1 | 7/22/2020 2:23:52 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 1 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EH1 @1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-002

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 4:18:27 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Surr: BFB | 97.6 | 70-130 | | %Rec | 1 | 7/22/2020 2:52:19 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 7/22/2020 11:58:13 PM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/22/2020 11:58:13 PM | 53860 |
| Surr: DNOP | 76.2 | 55.1-146 | | %Rec | 1 | 7/22/2020 11:58:13 PM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 112 | 70-130 | | %Rec | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 90.7 | 70-130 | | %Rec | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 7/22/2020 2:52:19 AM | 53809 |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 2:52:19 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 2 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EH2 @Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-003

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 4:30:51 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Surr: BFB | 93.2 | 70-130 | | %Rec | 1 | 7/22/2020 3:20:57 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 7/23/2020 12:08:25 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/23/2020 12:08:25 AM | 53860 |
| Surr: DNOP | 81.9 | 55.1-146 | | %Rec | 1 | 7/23/2020 12:08:25 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 89.6 | 70-130 | | %Rec | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Surr: Dibromofluoromethane | 106 | 70-130 | | %Rec | 1 | 7/22/2020 3:20:57 AM | 53809 |
| Surr: Toluene-d8 | 97.6 | 70-130 | | %Rec | 1 | 7/22/2020 3:20:57 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 3 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EH2 @1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-004

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 220 | 60 | | mg/Kg | 20 | 7/22/2020 4:43:15 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Surr: BFB | 96.0 | 70-130 | | %Rec | 1 | 7/22/2020 3:49:28 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 7/23/2020 12:18:38 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/23/2020 12:18:38 AM | 53860 |
| Surr: DNOP | 91.9 | 55.1-146 | | %Rec | 1 | 7/23/2020 12:18:38 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 102 | 70-130 | | %Rec | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 90.9 | 70-130 | | %Rec | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 7/22/2020 3:49:28 AM | 53809 |
| Surr: Toluene-d8 | 97.0 | 70-130 | | %Rec | 1 | 7/22/2020 3:49:28 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 4 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EH3 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-005

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 5:20:29 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Surr: BFB | 98.2 | 70-130 | | %Rec | 1 | 7/22/2020 4:17:57 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/23/2020 12:28:50 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 12:28:50 AM | 53860 |
| Surr: DNOP | 87.5 | 55.1-146 | | %Rec | 1 | 7/23/2020 12:28:50 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 99.4 | 70-130 | | %Rec | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 90.8 | 70-130 | | %Rec | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Surr: Dibromofluoromethane | 111 | 70-130 | | %Rec | 1 | 7/22/2020 4:17:57 AM | 53809 |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 4:17:57 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 5 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EH3 @1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-006

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 5:32:54 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Surr: BFB | 96.3 | 70-130 | | %Rec | 1 | 7/22/2020 4:46:31 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 7/23/2020 12:39:00 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/23/2020 12:39:00 AM | 53860 |
| Surr: DNOP | 140 | 55.1-146 | | %Rec | 1 | 7/23/2020 12:39:00 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 103 | 70-130 | | %Rec | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 94.8 | 70-130 | | %Rec | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Surr: Dibromofluoromethane | 111 | 70-130 | | %Rec | 1 | 7/22/2020 4:46:31 AM | 53809 |
| Surr: Toluene-d8 | 100 | 70-130 | | %Rec | 1 | 7/22/2020 4:46:31 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 6 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NH1B @ Surt

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-007

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 430 | 60 | | mg/Kg | 20 | 7/22/2020 5:45:19 AM | 53881 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Surr: BFB | 99.6 | 70-130 | | %Rec | 1 | 7/22/2020 5:15:08 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/23/2020 12:49:16 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 12:49:16 AM | 53860 |
| Surr: DNOP | 69.2 | 55.1-146 | | %Rec | 1 | 7/23/2020 12:49:16 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 100 | 70-130 | | %Rec | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 89.8 | 70-130 | | %Rec | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 7/22/2020 5:15:08 AM | 53809 |
| Surr: Toluene-d8 | 105 | 70-130 | | %Rec | 1 | 7/22/2020 5:15:08 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 7 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NH1A @ 1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-008

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | 180 | 60 | | mg/Kg | 20 | 7/22/2020 12:56:03 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Surr: BFB | 93.8 | 70-130 | | %Rec | 1 | 7/22/2020 5:44:07 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/23/2020 12:59:26 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 12:59:26 AM | 53860 |
| Surr: DNOP | 85.9 | 55.1-146 | | %Rec | 1 | 7/23/2020 12:59:26 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 105 | 70-130 | | %Rec | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 89.3 | 70-130 | | %Rec | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Surr: Dibromofluoromethane | 114 | 70-130 | | %Rec | 1 | 7/22/2020 5:44:07 AM | 53809 |
| Surr: Toluene-d8 | 97.2 | 70-130 | | %Rec | 1 | 7/22/2020 5:44:07 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 8 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NH2 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-009

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 1:33:16 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Surr: BFB | 97.9 | 70-130 | | %Rec | 1 | 7/22/2020 6:12:38 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 7/23/2020 1:09:36 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 7/23/2020 1:09:36 AM | 53860 |
| Surr: DNOP | 111 | 55.1-146 | | %Rec | 1 | 7/23/2020 1:09:36 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 107 | 70-130 | | %Rec | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 96.0 | 70-130 | | %Rec | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 7/22/2020 6:12:38 AM | 53809 |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 6:12:38 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 9 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NH2 @ 1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-010

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 1:45:40 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Surr: BFB | 92.9 | 70-130 | | %Rec | 1 | 7/22/2020 6:41:08 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/23/2020 1:19:45 AM | 53860 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/23/2020 1:19:45 AM | 53860 |
| Surr: DNOP | 103 | 55.1-146 | | %Rec | 1 | 7/23/2020 1:19:45 AM | 53860 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 105 | 70-130 | | %Rec | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 88.6 | 70-130 | | %Rec | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Surr: Dibromofluoromethane | 112 | 70-130 | | %Rec | 1 | 7/22/2020 6:41:08 AM | 53809 |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 6:41:08 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: WH1 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-011

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | 64 | 60 | | mg/Kg | 20 | 7/22/2020 1:58:05 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Surr: BFB | 94.6 | 70-130 | | %Rec | 1 | 7/22/2020 7:09:42 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 7/23/2020 2:20:35 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/23/2020 2:20:35 AM | 53861 |
| Surr: DNOP | 76.4 | 55.1-146 | | %Rec | 1 | 7/23/2020 2:20:35 AM | 53861 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 103 | 70-130 | | %Rec | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 93.1 | 70-130 | | %Rec | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 7/22/2020 7:09:42 AM | 53809 |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 7:09:42 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: WH1 @ 1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-012

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | 100 | 60 | | mg/Kg | 20 | 7/22/2020 2:10:30 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Surr: BFB | 96.9 | 70-130 | | %Rec | 1 | 7/22/2020 7:38:13 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 7/23/2020 2:51:04 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/23/2020 2:51:04 AM | 53861 |
| Surr: DNOP | 91.8 | 55.1-146 | | %Rec | 1 | 7/23/2020 2:51:04 AM | 53861 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 105 | 70-130 | | %Rec | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 92.5 | 70-130 | | %Rec | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Surr: Dibromofluoromethane | 116 | 70-130 | | %Rec | 1 | 7/22/2020 7:38:13 AM | 53809 |
| Surr: Toluene-d8 | 97.2 | 70-130 | | %Rec | 1 | 7/22/2020 7:38:13 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: WH2 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-013

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 2:22:55 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Surr: BFB | 99.0 | 70-130 | | %Rec | 1 | 7/22/2020 8:06:54 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 7/23/2020 3:01:16 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 3:01:16 AM | 53861 |
| Surr: DNOP | 74.6 | 55.1-146 | | %Rec | 1 | 7/23/2020 3:01:16 AM | 53861 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 102 | 70-130 | | %Rec | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 96.5 | 70-130 | | %Rec | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Surr: Dibromofluoromethane | 111 | 70-130 | | %Rec | 1 | 7/22/2020 8:06:54 AM | 53809 |
| Surr: Toluene-d8 | 95.7 | 70-130 | | %Rec | 1 | 7/22/2020 8:06:54 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: WH2 @1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-014

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 2:35:19 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Surr: BFB | 92.5 | 70-130 | | %Rec | 1 | 7/22/2020 8:35:29 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 7/23/2020 3:11:29 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/23/2020 3:11:29 AM | 53861 |
| Surr: DNOP | 88.2 | 55.1-146 | | %Rec | 1 | 7/23/2020 3:11:29 AM | 53861 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 105 | 70-130 | | %Rec | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 88.3 | 70-130 | | %Rec | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Surr: Dibromofluoromethane | 105 | 70-130 | | %Rec | 1 | 7/22/2020 8:35:29 AM | 53809 |
| Surr: Toluene-d8 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 8:35:29 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SH1 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-015

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | 62 | 60 | | mg/Kg | 20 | 7/22/2020 3:12:33 PM | 53809 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Surr: BFB | 98.8 | 70-130 | | %Rec | 1 | 7/22/2020 9:03:59 AM | 53809 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 7/23/2020 3:21:46 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/23/2020 3:21:46 AM | 53861 |
| Surr: DNOP | 89.4 | 55.1-146 | | %Rec | 1 | 7/23/2020 3:21:46 AM | 53861 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Surr: 1,2-Dichloroethane-d4 | 101 | 70-130 | | %Rec | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Surr: 4-Bromofluorobenzene | 95.3 | 70-130 | | %Rec | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Surr: Dibromofluoromethane | 106 | 70-130 | | %Rec | 1 | 7/22/2020 9:03:59 AM | 53809 |
| Surr: Toluene-d8 | 98.3 | 70-130 | | %Rec | 1 | 7/22/2020 9:03:59 AM | 53809 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SH1 @ 1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-016

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/22/2020 3:24:58 PM | 53890 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/23/2020 3:32:03 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 3:32:03 AM | 53861 |
| Surr: DNOP | 86.1 | 55.1-146 | | %Rec | 1 | 7/23/2020 3:32:03 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/21/2020 1:14:35 PM | 53810 |
| Surr: BFB | 97.0 | 66.6-105 | | %Rec | 1 | 7/21/2020 1:14:35 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/20/2020 11:26:33 PM | 53810 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/20/2020 11:26:33 PM | 53810 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/20/2020 11:26:33 PM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/20/2020 11:26:33 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | | %Rec | 1 | 7/20/2020 11:26:33 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 16 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SH2 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-017

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | 340 | 60 | | mg/Kg | 20 | 7/22/2020 3:37:22 PM | 53890 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/23/2020 3:42:20 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 3:42:20 AM | 53861 |
| Surr: DNOP | 105 | 55.1-146 | | %Rec | 1 | 7/23/2020 3:42:20 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 1:38:11 PM | 53810 |
| Surr: BFB | 96.7 | 66.6-105 | | %Rec | 1 | 7/21/2020 1:38:11 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 12:36:53 AM | 53810 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 12:36:53 AM | 53810 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 12:36:53 AM | 53810 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/21/2020 12:36:53 AM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 12:36:53 AM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 17 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SH2 @ 1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-018

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: JMT |
| Chloride | 260 | 60 | | mg/Kg | 20 | 7/22/2020 3:49:47 PM | 53890 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 7/23/2020 3:52:36 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 3:52:36 AM | 53861 |
| Surr: DNOP | 108 | 55.1-146 | | %Rec | 1 | 7/23/2020 3:52:36 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/21/2020 2:49:09 PM | 53810 |
| Surr: BFB | 97.8 | 66.6-105 | | %Rec | 1 | 7/21/2020 2:49:09 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 1:47:13 AM | 53810 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 1:47:13 AM | 53810 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 1:47:13 AM | 53810 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 7/21/2020 1:47:13 AM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 1:47:13 AM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SH3D @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-019

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/23/2020 11:20:06 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/23/2020 4:02:55 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 4:02:55 AM | 53861 |
| Surr: DNOP | 104 | 55.1-146 | | %Rec | 1 | 7/23/2020 4:02:55 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/21/2020 3:12:49 PM | 53810 |
| Surr: BFB | 97.7 | 66.6-105 | | %Rec | 1 | 7/21/2020 3:12:49 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/21/2020 2:10:36 AM | 53810 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 2:10:36 AM | 53810 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 2:10:36 AM | 53810 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/21/2020 2:10:36 AM | 53810 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | | %Rec | 1 | 7/21/2020 2:10:36 AM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 19 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SH3D @ 1'

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-020

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/23/2020 11:57:09 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 7/23/2020 4:13:15 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 4:13:15 AM | 53861 |
| Surr: DNOP | 94.5 | 55.1-146 | | %Rec | 1 | 7/23/2020 4:13:15 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/21/2020 3:36:30 PM | 53810 |
| Surr: BFB | 100 | 66.6-105 | | %Rec | 1 | 7/21/2020 3:36:30 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 2:34:07 AM | 53810 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 2:34:07 AM | 53810 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 2:34:07 AM | 53810 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/21/2020 2:34:07 AM | 53810 |
| Surr: 4-Bromofluorobenzene | 105 | 80-120 | | %Rec | 1 | 7/21/2020 2:34:07 AM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 20 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP1 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-021

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 16000 | 600 | | mg/Kg | 200 | 7/24/2020 11:16:13 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 13 | 9.5 | | mg/Kg | 1 | 7/23/2020 2:24:07 PM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 2:24:07 PM | 53861 |
| Surr: DNOP | 95.2 | 55.1-146 | | %Rec | 1 | 7/23/2020 2:24:07 PM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/21/2020 4:00:07 PM | 53810 |
| Surr: BFB | 98.4 | 66.6-105 | | %Rec | 1 | 7/21/2020 4:00:07 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 2:57:40 AM | 53810 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 2:57:40 AM | 53810 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 2:57:40 AM | 53810 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/21/2020 2:57:40 AM | 53810 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/21/2020 2:57:40 AM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP1 @ 1'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-022

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 210 | 60 | | mg/Kg | 20 | 7/23/2020 12:46:33 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/23/2020 4:34:08 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 4:34:08 AM | 53861 |
| Surr: DNOP | 122 | 55.1-146 | | %Rec | 1 | 7/23/2020 4:34:08 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/21/2020 4:23:53 PM | 53810 |
| Surr: BFB | 101 | 66.6-105 | | %Rec | 1 | 7/21/2020 4:23:53 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 3:21:13 AM | 53810 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 3:21:13 AM | 53810 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 3:21:13 AM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 3:21:13 AM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 3:21:13 AM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 22 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP2 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-023

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 9600 | 600 | | mg/Kg | 200 | 7/24/2020 11:28:38 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 7/23/2020 4:44:28 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 4:44:28 AM | 53861 |
| Surr: DNOP | 101 | 55.1-146 | | %Rec | 1 | 7/23/2020 4:44:28 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 4:47:30 PM | 53810 |
| Surr: BFB | 102 | 66.6-105 | | %Rec | 1 | 7/21/2020 4:47:30 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 4:47:30 PM | 53810 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 4:47:30 PM | 53810 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 4:47:30 PM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 4:47:30 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 105 | 80-120 | | %Rec | 1 | 7/21/2020 4:47:30 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 23 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP2 @ 2'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-024

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 290 | 60 | | mg/Kg | 20 | 7/23/2020 1:11:15 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/23/2020 4:54:45 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/23/2020 4:54:45 AM | 53861 |
| Surr: DNOP | 101 | 55.1-146 | | %Rec | 1 | 7/23/2020 4:54:45 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/21/2020 5:11:03 PM | 53810 |
| Surr: BFB | 97.7 | 66.6-105 | | %Rec | 1 | 7/21/2020 5:11:03 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/21/2020 5:11:03 PM | 53810 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 5:11:03 PM | 53810 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 5:11:03 PM | 53810 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/21/2020 5:11:03 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 5:11:03 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP3 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-025

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 14000 | 600 | | mg/Kg | 200 | 7/24/2020 11:41:03 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 7/23/2020 5:04:59 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 5:04:59 AM | 53861 |
| Surr: DNOP | 99.3 | 55.1-146 | | %Rec | 1 | 7/23/2020 5:04:59 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 7/21/2020 5:34:40 PM | 53810 |
| Surr: BFB | 96.6 | 66.6-105 | | %Rec | 1 | 7/21/2020 5:34:40 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/21/2020 5:34:40 PM | 53810 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 7/21/2020 5:34:40 PM | 53810 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 7/21/2020 5:34:40 PM | 53810 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 7/21/2020 5:34:40 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | | %Rec | 1 | 7/21/2020 5:34:40 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP3 @ 1'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-026

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 350 | 60 | | mg/Kg | 20 | 7/23/2020 1:35:55 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/23/2020 5:15:11 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/23/2020 5:15:11 AM | 53861 |
| Surr: DNOP | 107 | 55.1-146 | | %Rec | 1 | 7/23/2020 5:15:11 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/21/2020 5:58:13 PM | 53810 |
| Surr: BFB | 97.4 | 66.6-105 | | %Rec | 1 | 7/21/2020 5:58:13 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 5:58:13 PM | 53810 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 5:58:13 PM | 53810 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 5:58:13 PM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 5:58:13 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 7/21/2020 5:58:13 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 26 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP4 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-027

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 25000 | 1500 | | mg/Kg | 500 | 7/24/2020 11:53:28 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 14 | 9.9 | | mg/Kg | 1 | 7/23/2020 2:48:14 PM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/23/2020 2:48:14 PM | 53861 |
| Surr: DNOP | 104 | 55.1-146 | | %Rec | 1 | 7/23/2020 2:48:14 PM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 6:21:48 PM | 53810 |
| Surr: BFB | 98.1 | 66.6-105 | | %Rec | 1 | 7/21/2020 6:21:48 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 6:21:48 PM | 53810 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 6:21:48 PM | 53810 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 6:21:48 PM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 6:21:48 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 7/21/2020 6:21:48 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 27 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP4 @ 4'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-028

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 330 | 60 | | mg/Kg | 20 | 7/23/2020 2:00:38 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 7/23/2020 5:35:32 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/23/2020 5:35:32 AM | 53861 |
| Surr: DNOP | 136 | 55.1-146 | | %Rec | 1 | 7/23/2020 5:35:32 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/21/2020 6:45:25 PM | 53810 |
| Surr: BFB | 94.6 | 66.6-105 | | %Rec | 1 | 7/21/2020 6:45:25 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 6:45:25 PM | 53810 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 6:45:25 PM | 53810 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 6:45:25 PM | 53810 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/21/2020 6:45:25 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | | %Rec | 1 | 7/21/2020 6:45:25 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP5 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-029

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 20000 | 1500 | | mg/Kg | 500 | 7/25/2020 12:05:53 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 7/23/2020 5:45:42 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/23/2020 5:45:42 AM | 53861 |
| Surr: DNOP | 106 | 55.1-146 | | %Rec | 1 | 7/23/2020 5:45:42 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/21/2020 7:08:57 PM | 53810 |
| Surr: BFB | 107 | 66.6-105 | S | %Rec | 1 | 7/21/2020 7:08:57 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 7:08:57 PM | 53810 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 7:08:57 PM | 53810 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/21/2020 7:08:57 PM | 53810 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/21/2020 7:08:57 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | | %Rec | 1 | 7/21/2020 7:08:57 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 29 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP5 @ 1'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-030

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 330 | 60 | | mg/Kg | 20 | 7/23/2020 2:25:19 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 7/23/2020 5:55:49 AM | 53861 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/23/2020 5:55:49 AM | 53861 |
| Surr: DNOP | 106 | 55.1-146 | | %Rec | 1 | 7/23/2020 5:55:49 AM | 53861 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 7/21/2020 7:32:25 PM | 53810 |
| Surr: BFB | 95.2 | 66.6-105 | | %Rec | 1 | 7/21/2020 7:32:25 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/21/2020 7:32:25 PM | 53810 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 7/21/2020 7:32:25 PM | 53810 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 7/21/2020 7:32:25 PM | 53810 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 7/21/2020 7:32:25 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 7:32:25 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP6 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-031

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 16000 | 590 | | mg/Kg | 200 | 7/25/2020 12:18:17 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/22/2020 12:31:45 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/22/2020 12:31:45 PM | 53863 |
| Surr: DNOP | 151 | 55.1-146 | S | %Rec | 1 | 7/22/2020 12:31:45 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/21/2020 7:55:54 PM | 53810 |
| Surr: BFB | 94.6 | 66.6-105 | | %Rec | 1 | 7/21/2020 7:55:54 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 7:55:54 PM | 53810 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 7:55:54 PM | 53810 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 7:55:54 PM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 7:55:54 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 7:55:54 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP6 @ 1'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-032

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 210 | 60 | | mg/Kg | 20 | 7/23/2020 3:14:43 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 7/22/2020 1:02:04 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/22/2020 1:02:04 PM | 53863 |
| Surr: DNOP | 134 | 55.1-146 | | %Rec | 1 | 7/22/2020 1:02:04 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 8:19:21 PM | 53810 |
| Surr: BFB | 97.6 | 66.6-105 | | %Rec | 1 | 7/21/2020 8:19:21 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 8:19:21 PM | 53810 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 8:19:21 PM | 53810 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 8:19:21 PM | 53810 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/21/2020 8:19:21 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 8:19:21 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP7 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-033

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 32000 | 1500 | | mg/Kg | 500 | 7/25/2020 12:30:42 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 12 | 9.7 | | mg/Kg | 1 | 7/22/2020 1:12:13 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/22/2020 1:12:13 PM | 53863 |
| Surr: DNOP | 125 | 55.1-146 | | %Rec | 1 | 7/22/2020 1:12:13 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/21/2020 9:29:38 PM | 53810 |
| Surr: BFB | 96.4 | 66.6-105 | | %Rec | 1 | 7/21/2020 9:29:38 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 9:29:38 PM | 53810 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 9:29:38 PM | 53810 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/21/2020 9:29:38 PM | 53810 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/21/2020 9:29:38 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 105 | 80-120 | | %Rec | 1 | 7/21/2020 9:29:38 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP7 @ 2'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-034

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 280 | 60 | | mg/Kg | 20 | 7/23/2020 3:39:25 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 7/22/2020 1:22:35 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/22/2020 1:22:35 PM | 53863 |
| Surr: DNOP | 166 | 55.1-146 | S | %Rec | 1 | 7/22/2020 1:22:35 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 9:53:04 PM | 53810 |
| Surr: BFB | 94.5 | 66.6-105 | | %Rec | 1 | 7/21/2020 9:53:04 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 9:53:04 PM | 53810 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 9:53:04 PM | 53810 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 9:53:04 PM | 53810 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 9:53:04 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 9:53:04 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 34 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP8 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-035

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 16000 | 600 | | mg/Kg | 200 | 7/25/2020 12:43:07 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 100 | 9.6 | | mg/Kg | 1 | 7/22/2020 1:32:56 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/22/2020 1:32:56 PM | 53863 |
| Surr: DNOP | 141 | 55.1-146 | | %Rec | 1 | 7/22/2020 1:32:56 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 10:16:30 PM | 53810 |
| Surr: BFB | 94.9 | 66.6-105 | | %Rec | 1 | 7/21/2020 10:16:30 PM | 53810 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/21/2020 10:16:30 PM | 53810 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 10:16:30 PM | 53810 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 10:16:30 PM | 53810 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 7/21/2020 10:16:30 PM | 53810 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 7/21/2020 10:16:30 PM | 53810 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP8 @ 12'

Project: Hoss SWD

Collection Date: 7/17/2020

Lab ID: 2007964-036

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 800 | 60 | | mg/Kg | 20 | 7/23/2020 4:04:07 PM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/22/2020 1:43:15 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/22/2020 1:43:15 PM | 53863 |
| Surr: DNOP | 119 | 55.1-146 | | %Rec | 1 | 7/22/2020 1:43:15 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/21/2020 10:40:07 PM | 53815 |
| Surr: BFB | 92.9 | 66.6-105 | | %Rec | 1 | 7/21/2020 10:40:07 PM | 53815 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 10:40:07 PM | 53815 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 10:40:07 PM | 53815 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/21/2020 10:40:07 PM | 53815 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 10:40:07 PM | 53815 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | | %Rec | 1 | 7/21/2020 10:40:07 PM | 53815 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 36 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP9 @ Surf

Project: Hoss SWD

Collection Date: 7/15/2020

Lab ID: 2007964-037

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 14000 | 600 | | mg/Kg | 200 | 7/25/2020 12:55:31 AM | 53915 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 7/22/2020 1:53:32 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/22/2020 1:53:32 PM | 53863 |
| Surr: DNOP | 123 | 55.1-146 | | %Rec | 1 | 7/22/2020 1:53:32 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/21/2020 11:50:27 PM | 53815 |
| Surr: BFB | 96.1 | 66.6-105 | | %Rec | 1 | 7/21/2020 11:50:27 PM | 53815 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/21/2020 11:50:27 PM | 53815 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 11:50:27 PM | 53815 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/21/2020 11:50:27 PM | 53815 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/21/2020 11:50:27 PM | 53815 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/21/2020 11:50:27 PM | 53815 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 37 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP9 @ 6'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-038

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 270 | 60 | | mg/Kg | 20 | 7/23/2020 4:53:32 PM | 53917 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 7/22/2020 2:03:48 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/22/2020 2:03:48 PM | 53863 |
| Surr: DNOP | 163 | 55.1-146 | S | %Rec | 1 | 7/22/2020 2:03:48 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 7/22/2020 1:01:04 AM | 53815 |
| Surr: BFB | 92.7 | 66.6-105 | | %Rec | 1 | 7/22/2020 1:01:04 AM | 53815 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 1:01:04 AM | 53815 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 1:01:04 AM | 53815 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 7/22/2020 1:01:04 AM | 53815 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/22/2020 1:01:04 AM | 53815 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/22/2020 1:01:04 AM | 53815 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP10 @ Surf

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-039

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 59000 | 3000 | | mg/Kg | 1E+ | 7/25/2020 1:07:56 AM | 53917 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | 63 | 9.9 | | mg/Kg | 1 | 7/22/2020 2:14:03 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/22/2020 2:14:03 PM | 53863 |
| Surr: DNOP | 121 | 55.1-146 | | %Rec | 1 | 7/22/2020 2:14:03 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 13 | 5.0 | | mg/Kg | 1 | 7/22/2020 1:24:42 AM | 53815 |
| Surr: BFB | 152 | 66.6-105 | S | %Rec | 1 | 7/22/2020 1:24:42 AM | 53815 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 1:24:42 AM | 53815 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 1:24:42 AM | 53815 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 1:24:42 AM | 53815 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 7/22/2020 1:24:42 AM | 53815 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 7/22/2020 1:24:42 AM | 53815 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 39 of 51

Analytical Report

Lab Order 2007964

Date Reported: 7/29/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP10 @ 2'

Project: Hoss SWD

Collection Date: 7/16/2020

Lab ID: 2007964-040

Matrix: SOIL

Received Date: 7/18/2020 11:05:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 150 | 60 | | mg/Kg | 20 | 7/23/2020 6:07:36 PM | 53917 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 7/22/2020 2:24:15 PM | 53863 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 7/22/2020 2:24:15 PM | 53863 |
| Surr: DNOP | 139 | 55.1-146 | | %Rec | 1 | 7/22/2020 2:24:15 PM | 53863 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 7/22/2020 1:48:15 AM | 53815 |
| Surr: BFB | 91.4 | 66.6-105 | | %Rec | 1 | 7/22/2020 1:48:15 AM | 53815 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 7/22/2020 1:48:15 AM | 53815 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 1:48:15 AM | 53815 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 7/22/2020 1:48:15 AM | 53815 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 7/22/2020 1:48:15 AM | 53815 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 7/22/2020 1:48:15 AM | 53815 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 40 of 51

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: MB-53881 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53881 | RunNo: 70511 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/21/2020 | SeqNo: 2452695 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-53881 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53881 | RunNo: 70511 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/21/2020 | SeqNo: 2452696 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.2 | 90 | 110 | | | |

| Sample ID: MB-53890 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53890 | RunNo: 70525 | | | | | | | | |
| Prep Date: 7/22/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453914 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-53890 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53890 | RunNo: 70525 | | | | | | | | |
| Prep Date: 7/22/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453915 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 96.0 | 90 | 110 | | | |

| Sample ID: 2007964-018AMS | SampType: ms | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SH2 @ 1' | Batch ID: 53890 | RunNo: 70525 | | | | | | | | |
| Prep Date: 7/22/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453943 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 290 | 60 | 30.00 | 256.0 | 113 | 47.2 | 156 | | | |

| Sample ID: 2007964-018AMSD | SampType: msd | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SH2 @ 1' | Batch ID: 53890 | RunNo: 70525 | | | | | | | | |
| Prep Date: 7/22/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453944 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 310 | 60 | 30.00 | 256.0 | 193 | 47.2 | 156 | 8.00 | 20 | S |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: MB-53915 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53915 | RunNo: 70560 | | | | | | | | |
| Prep Date: 7/23/2020 | Analysis Date: 7/23/2020 | SeqNo: 2455086 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-53915 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53915 | RunNo: 70560 | | | | | | | | |
| Prep Date: 7/23/2020 | Analysis Date: 7/23/2020 | SeqNo: 2455087 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 90.1 | 90 | 110 | | | |

| Sample ID: MB-53917 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53917 | RunNo: 70560 | | | | | | | | |
| Prep Date: 7/23/2020 | Analysis Date: 7/23/2020 | SeqNo: 2455116 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-53917 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53917 | RunNo: 70560 | | | | | | | | |
| Prep Date: 7/23/2020 | Analysis Date: 7/23/2020 | SeqNo: 2455117 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.6 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 42 of 51

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: LCS-53863 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53863 | RunNo: 70516 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453230 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 63 | 10 | 50.00 | 0 | 126 | 70 | 130 | | | |
| Surr: DNOP | 6.2 | | 5.000 | | 124 | 55.1 | 146 | | | |

| Sample ID: 2007964-031AMS | SampType: MS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|----------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SP6 @ Surf | Batch ID: 53863 | RunNo: 70513 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453251 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 73 | 9.5 | 47.62 | 4.116 | 144 | 47.4 | 136 | | | S |
| Surr: DNOP | 8.3 | | 4.762 | | 175 | 55.1 | 146 | | | S |

| Sample ID: 2007964-031AMSD | SampType: MSD | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SP6 @ Surf | Batch ID: 53863 | RunNo: 70513 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453252 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 66 | 9.8 | 49.02 | 4.116 | 126 | 47.4 | 136 | 10.1 | 43.4 | |
| Surr: DNOP | 6.9 | | 4.902 | | 141 | 55.1 | 146 | 0 | 0 | |

| Sample ID: LCS-53863 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53863 | RunNo: 70513 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453272 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 70 | 10 | 50.00 | 0 | 140 | 70 | 130 | | | S |
| Surr: DNOP | 7.0 | | 5.000 | | 141 | 55.1 | 146 | | | |

| Sample ID: MB-53863 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53863 | RunNo: 70513 | | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | SeqNo: 2453273 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 13 | | 10.00 | | 132 | 55.1 | 146 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: LCS-53860 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53860 | | RunNo: 70513 | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | | SeqNo: 2453639 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 60 | 10 | 50.00 | 0 | 120 | 70 | 130 | | | |
| Surr: DNOP | 4.7 | | 5.000 | | 94.5 | 55.1 | 146 | | | |

| Sample ID: MB-53860 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53860 | | RunNo: 70513 | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/22/2020 | | SeqNo: 2453648 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 7.8 | | 10.00 | | 77.6 | 55.1 | 146 | | | |

| Sample ID: MB-53861 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53861 | | RunNo: 70513 | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/23/2020 | | SeqNo: 2453651 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 8.7 | | 10.00 | | 87.2 | 55.1 | 146 | | | |

| Sample ID: LCS-53861 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53861 | | RunNo: 70551 | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/23/2020 | | SeqNo: 2454490 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 52 | 10 | 50.00 | 0 | 103 | 70 | 130 | | | |
| Surr: DNOP | 5.0 | | 5.000 | | 99.4 | 55.1 | 146 | | | |

| Sample ID: 2007964-011AMS | SampType: MS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: WH1 @ Surf | Batch ID: 53861 | | RunNo: 70551 | | | | | | | |
| Prep Date: 7/21/2020 | Analysis Date: 7/23/2020 | | SeqNo: 2454491 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 43 | 9.5 | 47.39 | 2.866 | 84.4 | 47.4 | 136 | | | |
| Surr: DNOP | 4.0 | | 4.739 | | 85.2 | 55.1 | 146 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2007964
29-Jul-20

Client: Mewbourne Oil Company
Project: Hoss SWD

| | | | | | | | | | | |
|-----------------------------|--------|--------------------------|-----------|---|------|--------------|-----------|------|----------|------|
| Sample ID: 2007964-011AMSD | | SampType: MSD | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
| Client ID: WH1 @ Surf | | Batch ID: 53861 | | RunNo: 70551 | | | | | | |
| Prep Date: 7/21/2020 | | Analysis Date: 7/23/2020 | | SeqNo: 2454492 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 42 | 9.8 | 48.78 | 2.866 | 79.5 | 47.4 | 136 | 7.24 | 43.4 | |
| Surr: DNOP | 3.7 | | 4.878 | | 76.2 | 55.1 | 146 | 0 | 0 | |

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-53810 | SampType: MBLK | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
|-------------------------------|---------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53810 | | | RunNo: 70500 | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | | | SeqNo: 2452193 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 980 | | 1000 | | 97.5 | 66.6 | 105 | | | |

| Sample ID: lcs-53810 | SampType: LCS | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
|-------------------------------|---------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53810 | | | RunNo: 70500 | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | | | SeqNo: 2452194 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 20 | 5.0 | 25.00 | 0 | 80.9 | 72.5 | 106 | | | |
| Surr: BFB | 1100 | | 1000 | | 108 | 66.6 | 105 | | | S |

| Sample ID: 2007964-017ams | SampType: MS | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
|----------------------------------|---------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: SH2 @ Surf | Batch ID: 53810 | | | RunNo: 70500 | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | | | SeqNo: 2452216 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 4.8 | 23.90 | 0 | 88.6 | 80 | 120 | | | |
| Surr: BFB | 1100 | | 956.0 | | 112 | 66.6 | 105 | | | S |

| Sample ID: 2007964-017amsd | SampType: MSD | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
|-----------------------------------|---------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: SH2 @ Surf | Batch ID: 53810 | | | RunNo: 70500 | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | | | SeqNo: 2452217 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 4.7 | 23.54 | 0 | 92.1 | 80 | 120 | 2.33 | 20 | |
| Surr: BFB | 1200 | | 941.6 | | 125 | 66.6 | 105 | 0 | 0 | S |

| Sample ID: mb-53815 | SampType: MBLK | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
|-------------------------------|---------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53815 | | | RunNo: 70500 | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | | | SeqNo: 2452236 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 950 | | 1000 | | 95.3 | 66.6 | 105 | | | |

| Sample ID: lcs-53815 | SampType: LCS | | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | |
|-----------------------------|---------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53815 | | | RunNo: 70500 | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | | | SeqNo: 2452237 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: Ics-53815 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | SeqNo: 2452237 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 20 | 5.0 | 25.00 | 0 | 78.9 | 72.5 | 106 | | | |
| Surr: BFB | 1100 | | 1000 | | 106 | 66.6 | 105 | | | S |

| Sample ID: 2007964-037AMS | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SP9 @ Surf | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | SeqNo: 2452240 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 5.0 | 24.98 | 0 | 83.6 | 61.3 | 114 | | | |
| Surr: BFB | 1000 | | 999.0 | | 104 | 66.6 | 105 | | | |

| Sample ID: 2007964-037AMSD | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|---------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SP9 @ Surf | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | SeqNo: 2452241 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 18 | 5.0 | 24.80 | 0 | 71.1 | 61.3 | 114 | 16.8 | 20 | |
| Surr: BFB | 1100 | | 992.1 | | 106 | 66.6 | 105 | 0 | 0 | S |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-53810 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53810 | RunNo: 70475 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | SeqNo: 2451208 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 104 | 80 | 120 | | | |

| Sample ID: lcs-53810 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53810 | RunNo: 70475 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | SeqNo: 2451209 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.93 | 0.025 | 1.000 | 0 | 93.0 | 80 | 120 | | | |
| Toluene | 0.92 | 0.050 | 1.000 | 0 | 92.3 | 80 | 120 | | | |
| Ethylbenzene | 0.92 | 0.050 | 1.000 | 0 | 92.4 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 93.8 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 106 | 80 | 120 | | | |

| Sample ID: 2007964-016ams | SampType: MS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SH1 @ 1' | Batch ID: 53810 | RunNo: 70475 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/20/2020 | SeqNo: 2451211 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.024 | 0.9551 | 0 | 107 | 78.5 | 119 | | | |
| Toluene | 1.0 | 0.048 | 0.9551 | 0 | 109 | 75.7 | 123 | | | |
| Ethylbenzene | 1.1 | 0.048 | 0.9551 | 0 | 110 | 74.3 | 126 | | | |
| Xylenes, Total | 3.2 | 0.096 | 2.865 | 0 | 111 | 72.9 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9551 | | 105 | 80 | 120 | | | |

| Sample ID: 2007964-016amsd | SampType: MSD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SH1 @ 1' | Batch ID: 53810 | RunNo: 70475 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | SeqNo: 2451212 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 0.9833 | 0 | 93.0 | 78.5 | 119 | 11.4 | 20 | |
| Toluene | 0.90 | 0.049 | 0.9833 | 0 | 92.0 | 75.7 | 123 | 13.7 | 20 | |
| Ethylbenzene | 0.91 | 0.049 | 0.9833 | 0 | 92.6 | 74.3 | 126 | 14.4 | 20 | |
| Xylenes, Total | 2.8 | 0.098 | 2.950 | 0 | 93.6 | 72.9 | 130 | 14.3 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9833 | | 107 | 80 | 120 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-53815 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | SeqNo: 2452266 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 103 | 80 | 120 | | | |

| Sample ID: LCS-53815 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/22/2020 | SeqNo: 2452267 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.93 | 0.025 | 1.000 | 0 | 93.5 | 80 | 120 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 93.9 | 80 | 120 | | | |
| Ethylbenzene | 0.95 | 0.050 | 1.000 | 0 | 94.5 | 80 | 120 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 95.3 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 105 | 80 | 120 | | | |

| Sample ID: 2007964-036ams | SampType: MS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SP8 @ 12' | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/21/2020 | SeqNo: 2452269 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.95 | 0.025 | 0.9911 | 0 | 95.9 | 78.5 | 119 | | | |
| Toluene | 0.97 | 0.050 | 0.9911 | 0 | 97.8 | 75.7 | 123 | | | |
| Ethylbenzene | 0.99 | 0.050 | 0.9911 | 0 | 100 | 74.3 | 126 | | | |
| Xylenes, Total | 3.0 | 0.099 | 2.973 | 0 | 101 | 72.9 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9911 | | 106 | 80 | 120 | | | |

| Sample ID: 2007964-036amsd | SampType: MSD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: SP8 @ 12' | Batch ID: 53815 | RunNo: 70500 | | | | | | | | |
| Prep Date: 7/20/2020 | Analysis Date: 7/21/2020 | SeqNo: 2452270 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.86 | 0.025 | 0.9852 | 0 | 87.8 | 78.5 | 119 | 9.45 | 20 | |
| Toluene | 0.88 | 0.049 | 0.9852 | 0 | 89.5 | 75.7 | 123 | 9.36 | 20 | |
| Ethylbenzene | 0.90 | 0.049 | 0.9852 | 0 | 91.0 | 74.3 | 126 | 10.1 | 20 | |
| Xylenes, Total | 2.7 | 0.099 | 2.956 | 0 | 92.1 | 72.9 | 130 | 9.63 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 0.9852 | | 107 | 80 | 120 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-53809 | SampType: MBLK | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53809 | RunNo: 70485 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | SeqNo: 2451649 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.5000 | | 99.9 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.47 | | 0.5000 | | 94.1 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.49 | | 0.5000 | | 98.7 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.53 | | 0.5000 | | 106 | 70 | 130 | | | |

| Sample ID: lcs-53809 | SampType: LCS4 | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 53809 | RunNo: 70485 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/20/2020 | SeqNo: 2451650 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.97 | 0.025 | 1.000 | 0 | 97.1 | 80 | 120 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 104 | 80 | 120 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 102 | 80 | 120 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 103 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.5000 | | 99.8 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.47 | | 0.5000 | | 94.3 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.49 | | 0.5000 | | 98.5 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.53 | | 0.5000 | | 107 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 50 of 51

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2007964

29-Jul-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-53809 | SampType: MBLK | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 53809 | RunNo: 70485 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/21/2020 | SeqNo: 2451618 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 530 | | 500.0 | | 106 | 70 | 130 | | | |

| Sample ID: lcs-53809 | SampType: LCS | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 53809 | RunNo: 70485 | | | | | | | | |
| Prep Date: 7/19/2020 | Analysis Date: 7/20/2020 | SeqNo: 2451619 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 25.00 | 0 | 86.7 | 70 | 130 | | | |
| Surr: BFB | 510 | | 500.0 | | 103 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Mewbourne Oil Company**Work Order Number: **2007964**

RcptNo: 1

Received By: **Leah Baca**

7/18/2020 11:05:00 AM

*Leah Baca*Completed By: **Leah Baca**

7/18/2020 12:52:30 PM

*Leah Baca*Reviewed By: *[Signature]* 7/19/2020*labelled by 7/19/2020*

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 5.0 | Good | | | | |
| 2 | 5.2 | Good | | | | |

Chain-of-Custody Record

Client: Mewbourne Oil Company

Mailing Address:

Phone #:

email or Fax#: runnels@mewbourne.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Hoss SWD

| | |
|------------|-------|
| Project #: | 12712 |
|------------|-------|

| | |
|-------------------------|-----------------------|
| Project Manager: | Robbie Runnels |
|-------------------------|-----------------------|

Sampler: Eric Mojica

On Ice ☒ Yes ☐ No

of Coolers 7

Cooler Temp including CF 5.8 4.0 5.0

Container
Type and #Preservative
Type

HEAL No
197



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


Analysis Request

[illegible]

| | | |
|---------|-------|------------------|
| Date: | Time: | Relinquished by: |
| 7/17/10 | 1500 | [Signature] |

| | | | |
|--|------|---------|------|
| Received by:  | Via: | Date | Time |
| | | 7/17/20 | 1500 |

Remarks: Email results to: rrunnels@mewbourne.com and pm@etechenv.com.

| | | |
|---------|-------|---|
| Date: | Time: | Relinquished by: |
| 2/17/20 | 190 |  |

Received by W. J. Carr Via Cable Date 7/18/60 Time 1105



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

August 26, 2020

Robbie Runnels
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
TEL: (575) 393-5905
FAX

RE: Hoss SWD

OrderNo.: 2008988

Dear Robbie Runnels:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/19/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2008988

Date Reported: 8/26/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SP8@13'

Project: Hoss SWD

Collection Date: 8/17/2020 9:30:00 AM

Lab ID: 2008988-001

Matrix: SOIL

Received Date: 8/19/2020 10:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------|--------|----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 830 | 60 | | mg/Kg | 20 | 8/26/2020 2:21:14 AM | 54676 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 1 of 2

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008988

26-Aug-20

Client: Mewbourne Oil Company

Project: Hoss SWD

| | | | | | | | | | | |
|-----------------------------|--------|---------------------------------|-----------|-------------|---|----------|---------------------|------|----------|------|
| Sample ID: MB-54676 | | SampType: mblk | | | TestCode: EPA Method 300.0: Anions | | | | | |
| Client ID: PBS | | Batch ID: 54676 | | | RunNo: 71336 | | | | | |
| Prep Date: 8/25/2020 | | Analysis Date: 8/25/2020 | | | SeqNo: 2490791 | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Mewbourne Oil Company

Work Order Number: 2008988

RcptNo: 1

Received By: Cheyenne Cason

8/19/2020 10:00:00 AM

Completed By: Juan Rojas

8/19/2020 10:18:59 AM

Reviewed By: SPA 8.19.20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: cm 8/19/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

| | | | |
|----------------------|----------------------|------|---|
| Person Notified: | <input type="text"/> | Date | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 5.8 | Good | | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 02, 2020

Robbie Runnels
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
TEL: (575) 393-5905
FAX

RE: Hoss SWD

OrderNo.: 2008D81

Dear Robbie Runnels:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/26/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2008D81

Date Reported: 9/2/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW1

Project: Hoss SWD

Collection Date: 8/24/2020

Lab ID: 2008D81-001

Matrix: SOIL

Received Date: 8/26/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 63 | | mg/Kg | 20 | 8/31/2020 3:11:44 PM | 54813 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 8/28/2020 5:38:31 PM | 54729 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 8/28/2020 5:38:31 PM | 54729 |
| Surr: DNOP | 66.9 | 30.4-154 | | %Rec | 1 | 8/28/2020 5:38:31 PM | 54729 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/27/2020 5:38:55 PM | 54720 |
| Surr: BFB | 99.9 | 75.3-105 | | %Rec | 1 | 8/27/2020 5:38:55 PM | 54720 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 8/27/2020 5:38:55 PM | 54720 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 8/27/2020 5:38:55 PM | 54720 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 8/27/2020 5:38:55 PM | 54720 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 8/27/2020 5:38:55 PM | 54720 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 8/27/2020 5:38:55 PM | 54720 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 1 of 9

Analytical Report

Lab Order 2008D81

Date Reported: 9/2/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW2

Project: Hoss SWD

Collection Date: 8/24/2020

Lab ID: 2008D81-002

Matrix: SOIL

Received Date: 8/26/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/31/2020 3:24:08 PM | 54813 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 8/28/2020 6:08:57 PM | 54729 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 8/28/2020 6:08:57 PM | 54729 |
| Surr: DNOP | 112 | 30.4-154 | | %Rec | 1 | 8/28/2020 6:08:57 PM | 54729 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/27/2020 6:49:40 PM | 54720 |
| Surr: BFB | 99.9 | 75.3-105 | | %Rec | 1 | 8/27/2020 6:49:40 PM | 54720 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 8/27/2020 6:49:40 PM | 54720 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 8/27/2020 6:49:40 PM | 54720 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 8/27/2020 6:49:40 PM | 54720 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 8/27/2020 6:49:40 PM | 54720 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 8/27/2020 6:49:40 PM | 54720 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2008D81

Date Reported: 9/2/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW3

Project: Hoss SWD

Collection Date: 8/24/2020

Lab ID: 2008D81-003

Matrix: SOIL

Received Date: 8/26/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 8/31/2020 3:36:32 PM | 54813 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 8/28/2020 6:19:02 PM | 54729 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 8/28/2020 6:19:02 PM | 54729 |
| Surr: DNOP | 90.0 | 30.4-154 | | %Rec | 1 | 8/28/2020 6:19:02 PM | 54729 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 8/27/2020 8:00:22 PM | 54720 |
| Surr: BFB | 102 | 75.3-105 | | %Rec | 1 | 8/27/2020 8:00:22 PM | 54720 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 8/27/2020 8:00:22 PM | 54720 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 8/27/2020 8:00:22 PM | 54720 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 8/27/2020 8:00:22 PM | 54720 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 8/27/2020 8:00:22 PM | 54720 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | | %Rec | 1 | 8/27/2020 8:00:22 PM | 54720 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 3 of 9

Analytical Report

Lab Order 2008D81

Date Reported: 9/2/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SW1

Project: Hoss SWD

Collection Date: 8/24/2020

Lab ID: 2008D81-004

Matrix: SOIL

Received Date: 8/26/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 81 | 60 | | mg/Kg | 20 | 8/31/2020 3:48:56 PM | 54813 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 8/28/2020 6:29:07 PM | 54729 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 8/28/2020 6:29:07 PM | 54729 |
| Surr: DNOP | 79.1 | 30.4-154 | | %Rec | 1 | 8/28/2020 6:29:07 PM | 54729 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 8/27/2020 8:23:55 PM | 54720 |
| Surr: BFB | 104 | 75.3-105 | | %Rec | 1 | 8/27/2020 8:23:55 PM | 54720 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 8/27/2020 8:23:55 PM | 54720 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 8/27/2020 8:23:55 PM | 54720 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 8/27/2020 8:23:55 PM | 54720 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 8/27/2020 8:23:55 PM | 54720 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | | %Rec | 1 | 8/27/2020 8:23:55 PM | 54720 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 4 of 9

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008D81

02-Sep-20

Client: Mewbourne Oil Company

Project: Hoss SWD

| | | | | | | | | | | |
|-----------------------------|--------|---------------------------------|-----------|---|------|----------|---------------------|------|----------|------|
| Sample ID: MB-54813 | | SampType: mblk | | TestCode: EPA Method 300.0: Anions | | | | | | |
| Client ID: PBS | | Batch ID: 54813 | | RunNo: 71527 | | | | | | |
| Prep Date: 8/31/2020 | | Analysis Date: 8/31/2020 | | SeqNo: 2498376 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|-----------------------------|--------|---------------------------------|-----------|---|------|----------|---------------------|------|----------|------|
| Sample ID: LCS-54813 | | SampType: lcs | | TestCode: EPA Method 300.0: Anions | | | | | | |
| Client ID: LCSS | | Batch ID: 54813 | | RunNo: 71527 | | | | | | |
| Prep Date: 8/31/2020 | | Analysis Date: 8/31/2020 | | SeqNo: 2498377 | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.5 | 90 | 110 | | | |

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2008D81

02-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: 2008D81-001AMS | SampType: MS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|----------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: NW1 | Batch ID: 54729 | RunNo: 71513 | | | | | | | | |
| Prep Date: 8/27/2020 | Analysis Date: 8/28/2020 | SeqNo: 2497457 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 50 | 9.7 | 48.50 | 3.244 | 96.2 | 47.4 | 136 | | | |
| Surr: DNOP | 3.3 | | 4.850 | | 68.2 | 30.4 | 154 | | | |

| Sample ID: 2008D81-001AMSD | SampType: MSD | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: NW1 | Batch ID: 54729 | RunNo: 71513 | | | | | | | | |
| Prep Date: 8/27/2020 | Analysis Date: 8/28/2020 | SeqNo: 2497458 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 9.7 | 48.40 | 3.244 | 88.1 | 47.4 | 136 | 8.37 | 43.4 | |
| Surr: DNOP | 2.7 | | 4.840 | | 55.1 | 30.4 | 154 | 0 | 0 | |

| Sample ID: LCS-54729 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54729 | RunNo: 71513 | | | | | | | | |
| Prep Date: 8/27/2020 | Analysis Date: 8/28/2020 | SeqNo: 2498054 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 50 | 10 | 50.00 | 0 | 101 | 70 | 130 | | | |
| Surr: DNOP | 4.8 | | 5.000 | | 96.0 | 30.4 | 154 | | | |

| Sample ID: MB-54729 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|---------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54729 | RunNo: 71513 | | | | | | | | |
| Prep Date: 8/27/2020 | Analysis Date: 8/28/2020 | SeqNo: 2498056 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.0 | | 10.00 | | 90.0 | 30.4 | 154 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2008D81

02-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: 2008d81-002ams | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|---------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: NW2 | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494633 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 4.7 | 23.61 | 0 | 89.8 | 61.3 | 114 | | | |
| Surr: BFB | 1000 | | 944.3 | | 111 | 75.3 | 105 | | | S |

| Sample ID: 2008d81-002amsd | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|---------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: NW2 | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494634 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 4.9 | 24.63 | 0 | 89.0 | 61.3 | 114 | 3.30 | 20 | |
| Surr: BFB | 1100 | | 985.2 | | 111 | 75.3 | 105 | 0 | 0 | S |

| Sample ID: lcs-54699 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54699 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494653 | | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1100 | | 1000 | | 111 | 75.3 | 105 | | | S |

| Sample ID: lcs-54720 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494654 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 91.5 | 72.5 | 106 | | | |
| Surr: BFB | 1100 | | 1000 | | 110 | 75.3 | 105 | | | S |

| Sample ID: MB-54699 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|---------------------------------|---|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54699 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494655 | | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 930 | | 1000 | | 93.5 | 75.3 | 105 | | | |

| Sample ID: mb-54720 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494656 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 980 | | 1000 | | 97.9 | 75.3 | 105 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 7 of 9

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2008D81

02-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: 2008d81-001ams | SampType: MS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: NW1 | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494671 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.024 | 0.9785 | 0.01747 | 90.5 | 76.3 | 120 | | | |
| Toluene | 0.92 | 0.049 | 0.9785 | 0.02306 | 91.9 | 78.5 | 120 | | | |
| Ethylbenzene | 0.91 | 0.049 | 0.9785 | 0.01148 | 92.3 | 78.1 | 124 | | | |
| Xylenes, Total | 2.8 | 0.098 | 2.935 | 0.01835 | 93.5 | 79.3 | 125 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9785 | | 104 | 80 | 120 | | | |

| Sample ID: 2008d81-001amsd | SampType: MSD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: NW1 | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494672 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.86 | 0.023 | 0.9381 | 0.01747 | 90.1 | 76.3 | 120 | 4.50 | 20 | |
| Toluene | 0.89 | 0.047 | 0.9381 | 0.02306 | 92.1 | 78.5 | 120 | 3.81 | 20 | |
| Ethylbenzene | 0.88 | 0.047 | 0.9381 | 0.01148 | 92.7 | 78.1 | 124 | 3.73 | 20 | |
| Xylenes, Total | 2.7 | 0.094 | 2.814 | 0.01835 | 93.9 | 79.3 | 125 | 3.71 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.98 | | 0.9381 | | 104 | 80 | 120 | 0 | 0 | |

| Sample ID: LCS-54699 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54699 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494691 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 103 | 80 | 120 | | | |

| Sample ID: LCS-54720 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54720 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494692 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.87 | 0.025 | 1.000 | 0 | 87.3 | 80 | 120 | | | |
| Toluene | 0.86 | 0.050 | 1.000 | 0 | 86.5 | 80 | 120 | | | |
| Ethylbenzene | 0.87 | 0.050 | 1.000 | 0 | 86.8 | 80 | 120 | | | |
| Xylenes, Total | 2.6 | 0.10 | 3.000 | 0 | 87.4 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 104 | 80 | 120 | | | |

| Sample ID: MB-54699 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54699 | RunNo: 71413 | | | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | SeqNo: 2494693 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2008D81

02-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: MB-54699 | SampType: MBLK | | | TestCode: EPA Method 8021B: Volatiles | | | | | | |
|-----------------------------|---------------------------------|-----|-----------|--|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54699 | | | RunNo: 71413 | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | | | SeqNo: 2494693 | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.99 | | 1.000 | | 98.6 | 80 | 120 | | | |

| Sample ID: mb-54720 | SampType: MBLK | | | TestCode: EPA Method 8021B: Volatiles | | | | | | |
|-----------------------------|---------------------------------|-------|-----------|--|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54720 | | | RunNo: 71413 | | | | | | |
| Prep Date: 8/26/2020 | Analysis Date: 8/27/2020 | | | SeqNo: 2494694 | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 101 | 80 | 120 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Mewbourne Oil Company

Work Order Number: 2008D81

RcptNo: 1

Received By: Cheyenne Cason

8/26/2020 8:00:00 AM

Completed By: Juan Rojas

8/26/2020 9:09:45 AM

Reviewed By:

EM 8/26/20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)

Adjusted? _____

Checked by: SPA 8.26.20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 5.4 | Good | | | | |
| 2 | 5.2 | Good | | | | |
| 3 | 2.2 | Good | | | | |
| 4 | 0.3 | Good | | | | |

Released to Imaging: 10/4/2021 1:22:14 PM

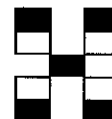
☐ EDD (Type)

9605D8

 $\frac{1}{()}$

5.5-0.125.4 0.4-0.120.3.
5.3-0.125.2
2.3-0.122.2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Received by OCD: 7/9/2021 12:01:42 PM

Page 146 of 516



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 11, 2020

Robbie Runnels
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
TEL: (575) 393-5905
FAX:

RE: Hoss SWD

OrderNo.: 2009214

Dear Robbie Runnels:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/3/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW4

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-001

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/10/2020 2:10:55 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Surr: BFB | 101 | 70-130 | | %Rec | 1 | 9/8/2020 11:51:22 PM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 9/4/2020 10:49:18 PM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/4/2020 10:49:18 PM | 54933 |
| Surr: DNOP | 103 | 30.4-154 | | %Rec | 1 | 9/4/2020 10:49:18 PM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 98.6 | 70-130 | | %Rec | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %Rec | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Surr: Dibromofluoromethane | 114 | 70-130 | | %Rec | 1 | 9/8/2020 11:51:22 PM | 54928 |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 9/8/2020 11:51:22 PM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW5

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-002

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 240 | 60 | | mg/Kg | 20 | 9/10/2020 2:48:07 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 9/9/2020 3:11:04 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 9/4/2020 11:19:02 PM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 9/4/2020 11:19:02 PM | 54933 |
| Surr: DNOP | 54.6 | 30.4-154 | | %Rec | 1 | 9/4/2020 11:19:02 PM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 99.9 | 70-130 | | %Rec | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | | %Rec | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 9/9/2020 3:11:04 AM | 54928 |
| Surr: Toluene-d8 | 100 | 70-130 | | %Rec | 1 | 9/9/2020 3:11:04 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW6

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-003

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 120 | 60 | | mg/Kg | 20 | 9/10/2020 3:00:32 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Surr: BFB | 102 | 70-130 | | %Rec | 1 | 9/9/2020 4:36:41 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 9/4/2020 11:28:55 PM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/4/2020 11:28:55 PM | 54933 |
| Surr: DNOP | 56.0 | 30.4-154 | | %Rec | 1 | 9/4/2020 11:28:55 PM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 95.4 | 70-130 | | %Rec | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 105 | 70-130 | | %Rec | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Surr: Dibromofluoromethane | 110 | 70-130 | | %Rec | 1 | 9/9/2020 4:36:41 AM | 54928 |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 9/9/2020 4:36:41 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 3 of 13

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW7

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-004

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 130 | 60 | | mg/Kg | 20 | 9/10/2020 3:12:56 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Surr: BFB | 103 | 70-130 | | %Rec | 1 | 9/9/2020 5:05:13 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 9/4/2020 11:38:50 PM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/4/2020 11:38:50 PM | 54933 |
| Surr: DNOP | 63.8 | 30.4-154 | | %Rec | 1 | 9/4/2020 11:38:50 PM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 95.3 | 70-130 | | %Rec | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | | %Rec | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 9/9/2020 5:05:13 AM | 54928 |
| Surr: Toluene-d8 | 103 | 70-130 | | %Rec | 1 | 9/9/2020 5:05:13 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 4 of 13

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW8

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-005

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 110 | 60 | | mg/Kg | 20 | 9/10/2020 3:25:20 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Surr: BFB | 101 | 70-130 | | %Rec | 1 | 9/9/2020 5:33:45 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 9/4/2020 11:48:44 PM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/4/2020 11:48:44 PM | 54933 |
| Surr: DNOP | 55.3 | 30.4-154 | | %Rec | 1 | 9/4/2020 11:48:44 PM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 98.6 | 70-130 | | %Rec | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | | %Rec | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Surr: Dibromofluoromethane | 112 | 70-130 | | %Rec | 1 | 9/9/2020 5:33:45 AM | 54928 |
| Surr: Toluene-d8 | 102 | 70-130 | | %Rec | 1 | 9/9/2020 5:33:45 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 5 of 13

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: NW9

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-006

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 600 | 60 | | mg/Kg | 20 | 9/10/2020 3:37:44 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Surr: BFB | 101 | 70-130 | | %Rec | 1 | 9/9/2020 6:02:17 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 9/4/2020 11:58:36 PM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/4/2020 11:58:36 PM | 54933 |
| Surr: DNOP | 66.4 | 30.4-154 | | %Rec | 1 | 9/4/2020 11:58:36 PM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 96.0 | 70-130 | | %Rec | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | | %Rec | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Surr: Dibromofluoromethane | 111 | 70-130 | | %Rec | 1 | 9/9/2020 6:02:17 AM | 54928 |
| Surr: Toluene-d8 | 99.7 | 70-130 | | %Rec | 1 | 9/9/2020 6:02:17 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 6 of 13

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SW2

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-007

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 150 | 60 | | mg/Kg | 20 | 9/10/2020 4:14:58 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Surr: BFB | 98.6 | 70-130 | | %Rec | 1 | 9/9/2020 6:30:56 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 9/5/2020 12:08:34 AM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/5/2020 12:08:34 AM | 54933 |
| Surr: DNOP | 76.2 | 30.4-154 | | %Rec | 1 | 9/5/2020 12:08:34 AM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 94.2 | 70-130 | | %Rec | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 99.2 | 70-130 | | %Rec | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Surr: Dibromofluoromethane | 107 | 70-130 | | %Rec | 1 | 9/9/2020 6:30:56 AM | 54928 |
| Surr: Toluene-d8 | 99.5 | 70-130 | | %Rec | 1 | 9/9/2020 6:30:56 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 7 of 13

Analytical Report

Lab Order 2009214

Date Reported: 9/11/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SW3

Project: Hoss SWD

Collection Date: 9/1/2020

Lab ID: 2009214-008

Matrix: SOIL

Received Date: 9/3/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 59 | | mg/Kg | 20 | 9/10/2020 4:27:22 PM | 55077 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Surr: BFB | 103 | 70-130 | | %Rec | 1 | 9/9/2020 6:59:25 AM | 54928 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 9/5/2020 12:18:27 AM | 54933 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/5/2020 12:18:27 AM | 54933 |
| Surr: DNOP | 62.1 | 30.4-154 | | %Rec | 1 | 9/5/2020 12:18:27 AM | 54933 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Surr: 1,2-Dichloroethane-d4 | 95.2 | 70-130 | | %Rec | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %Rec | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Surr: Dibromofluoromethane | 108 | 70-130 | | %Rec | 1 | 9/9/2020 6:59:25 AM | 54928 |
| Surr: Toluene-d8 | 103 | 70-130 | | %Rec | 1 | 9/9/2020 6:59:25 AM | 54928 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|-------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 8 of 13

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009214

11-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: MB-55077 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 55077 | RunNo: 71765 | | | | | | | | |
| Prep Date: 9/10/2020 | Analysis Date: 9/10/2020 | SeqNo: 2510884 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-55077 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 55077 | RunNo: 71765 | | | | | | | | |
| Prep Date: 9/10/2020 | Analysis Date: 9/10/2020 | SeqNo: 2510885 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.9 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 9 of 13

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009214

11-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: MB-54933 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54933 | RunNo: 71644 | | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/4/2020 | SeqNo: 2504469 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 8.5 | | 10.00 | | 84.8 | 30.4 | 154 | | | |

| Sample ID: LCS-54933 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54933 | RunNo: 71644 | | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/4/2020 | SeqNo: 2504472 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 47 | 10 | 50.00 | 0 | 93.5 | 70 | 130 | | | |
| Surr: DNOP | 3.9 | | 5.000 | | 78.4 | 30.4 | 154 | | | |

| Sample ID: 2009214-001AMS | SampType: MS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|----------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: NW4 | Batch ID: 54933 | RunNo: 71644 | | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/4/2020 | SeqNo: 2504573 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 9.6 | 47.98 | 3.886 | 87.1 | 47.4 | 136 | | | |
| Surr: DNOP | 3.3 | | 4.798 | | 68.6 | 30.4 | 154 | | | |

| Sample ID: 2009214-001AMSD | SampType: MSD | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: NW4 | Batch ID: 54933 | RunNo: 71644 | | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/4/2020 | SeqNo: 2504575 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 10 | 49.85 | 3.886 | 85.2 | 47.4 | 136 | 1.47 | 43.4 | |
| Surr: DNOP | 3.0 | | 4.985 | | 59.6 | 30.4 | 154 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009214

11-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: Ics-54928 | SampType: LCS4 | | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | |
|-----------------------------|--------------------------------|-------|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 54928 | | RunNo: 71689 | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507082 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 1.000 | 0 | 90.9 | 80 | 120 | | | |
| Toluene | 0.95 | 0.050 | 1.000 | 0 | 95.4 | 80 | 120 | | | |
| Ethylbenzene | 0.99 | 0.050 | 1.000 | 0 | 98.8 | 80 | 120 | | | |
| Xylenes, Total | 3.2 | 0.10 | 3.000 | 0 | 105 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.5000 | | 100 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.52 | | 0.5000 | | 105 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.57 | | 0.5000 | | 115 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | |

| Sample ID: mb-54928 | SampType: MBLK | | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | |
|-----------------------------|--------------------------------|-------|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54928 | | RunNo: 71689 | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507083 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.5000 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.57 | | 0.5000 | | 114 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.51 | | 0.5000 | | 101 | 70 | 130 | | | |

| Sample ID: 2009214-001ams | SampType: MS4 | | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | |
|----------------------------------|--------------------------------|-------|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: NW4 | Batch ID: 54928 | | RunNo: 71689 | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/9/2020 | | SeqNo: 2507098 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 0.9990 | 0 | 90.9 | 71.1 | 115 | | | |
| Toluene | 1.0 | 0.050 | 0.9990 | 0 | 105 | 79.6 | 132 | | | |
| Ethylbenzene | 1.1 | 0.050 | 0.9990 | 0 | 108 | 83.8 | 134 | | | |
| Xylenes, Total | 3.4 | 0.10 | 2.997 | 0 | 112 | 82.4 | 132 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.49 | | 0.4995 | | 98.6 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.50 | | 0.4995 | | 99.8 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.54 | | 0.4995 | | 108 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.4995 | | 105 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009214

11-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: 2009214-001amsd | SampType: MSD4 | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|-------|----------|------|
| Client ID: NW4 | Batch ID: 54928 | RunNo: 71689 | | | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/9/2020 | SeqNo: 2507099 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.92 | 0.025 | 0.9970 | 0 | 92.3 | 71.1 | 115 | 1.32 | 20 | |
| Toluene | 1.0 | 0.050 | 0.9970 | 0 | 105 | 79.6 | 132 | 0.468 | 20 | |
| Ethylbenzene | 1.1 | 0.050 | 0.9970 | 0 | 109 | 83.8 | 134 | 0.851 | 20 | |
| Xylenes, Total | 3.4 | 0.10 | 2.991 | 0 | 115 | 82.4 | 132 | 2.33 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | 0.48 | | 0.4985 | | 96.8 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 0.52 | | 0.4985 | | 103 | 70 | 130 | 0 | 0 | |
| Surr: Dibromofluoromethane | 0.53 | | 0.4985 | | 106 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 0.51 | | 0.4985 | | 103 | 70 | 130 | 0 | 0 | |

| Sample ID: lcs-54984 | SampType: LCS4 | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 54984 | RunNo: 71719 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508935 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 1,2-Dichloroethane-d4 | 0.47 | | 0.5000 | | 93.9 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.54 | | 0.5000 | | 109 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | |

| Sample ID: mb-54984 | SampType: MBLK | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54984 | RunNo: 71719 | | | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508936 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 1,2-Dichloroethane-d4 | 0.46 | | 0.5000 | | 92.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.50 | | 0.5000 | | 100 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.5000 | | 105 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009214

11-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: Ics-54928 | SampType: LCS | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|-------------------------------|--------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54928 | | | RunNo: 71689 | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/8/2020 | | | SeqNo: 2507110 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 5.0 | 25.00 | 0 | 84.4 | 70 | 130 | | | |
| Surr: BFB | 510 | | 500.0 | | 102 | 70 | 130 | | | |

| Sample ID: mb-54928 | SampType: MBLK | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|-------------------------------|--------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54928 | | | RunNo: 71689 | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/8/2020 | | | SeqNo: 2507111 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 510 | | 500.0 | | 102 | 70 | 130 | | | |

| Sample ID: 2009214-002ams | SampType: MS | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|----------------------------------|--------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: NW5 | Batch ID: 54928 | | | RunNo: 71689 | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/9/2020 | | | SeqNo: 2507125 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 4.9 | 24.68 | 0 | 85.3 | 49.2 | 122 | | | |
| Surr: BFB | 490 | | 493.6 | | 98.5 | 70 | 130 | | | |

| Sample ID: 2009214-002amsd | SampType: MSD | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|-----------------------------------|--------------------------------|-----|-----------|---|------|---------------------|-----------|------|----------|------|
| Client ID: NW5 | Batch ID: 54928 | | | RunNo: 71689 | | | | | | |
| Prep Date: 9/3/2020 | Analysis Date: 9/9/2020 | | | SeqNo: 2507126 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 4.9 | 24.46 | 0 | 87.6 | 49.2 | 122 | 1.80 | 20 | |
| Surr: BFB | 510 | | 489.2 | | 105 | 70 | 130 | 0 | 0 | |

| Sample ID: Ics-54984 | SampType: LCS | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|-----------------------------|--------------------------------|-----|-----------|---|------|--------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54984 | | | RunNo: 71719 | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | | | SeqNo: 2508976 | | Units: %Rec | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 500 | | 500.0 | | 99.4 | 70 | 130 | | | |

| Sample ID: mb-54984 | SampType: MBLK | | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | |
|----------------------------|--------------------------------|-----|-----------|---|------|--------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54984 | | | RunNo: 71719 | | | | | | |
| Prep Date: 9/6/2020 | Analysis Date: 9/9/2020 | | | SeqNo: 2508977 | | Units: %Rec | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 500 | | 500.0 | | 101 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Mewbourne Oil Company

Work Order Number: 2009214

RcptNo: 1

Received By: Juan Rojas 9/3/2020 8:00:00 AM

Completed By: Juan Rojas 9/3/2020 9:05:38 AM

Reviewed By: *gm 9/3/20*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? ☐

Checked by: *gm 9/3/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.6 | Good | | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 14, 2020

Robbie Runnels
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
TEL: (575) 393-5905
FAX:

RE: Hoss SWD

OrderNo.: 2009306

Dear Robbie Runnels:

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/4/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2009306

Date Reported: 9/14/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EW1

Project: Hoss SWD

Collection Date: 9/2/2020

Lab ID: 2009306-001

Matrix: SOIL

Received Date: 9/4/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/11/2020 11:45:07 PM | 55110 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 8.8 | | mg/Kg | 1 | 9/8/2020 10:58:06 PM | 54972 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 9/8/2020 10:58:06 PM | 54972 |
| Surr: DNOP | 94.6 | 30.4-154 | | %Rec | 1 | 9/8/2020 10:58:06 PM | 54972 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/9/2020 10:00:38 AM | 54967 |
| Surr: BFB | 91.3 | 75.3-105 | | %Rec | 1 | 9/9/2020 10:00:38 AM | 54967 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 10:00:38 AM | 54967 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/9/2020 10:00:38 AM | 54967 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/9/2020 10:00:38 AM | 54967 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 9/9/2020 10:00:38 AM | 54967 |
| Surr: 4-Bromofluorobenzene | 94.9 | 80-120 | | %Rec | 1 | 9/9/2020 10:00:38 AM | 54967 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 1 of 11

Analytical Report

Lab Order 2009306

Date Reported: 9/14/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EW2

Project: Hoss SWD

Collection Date: 9/2/2020

Lab ID: 2009306-002

Matrix: SOIL

Received Date: 9/4/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/12/2020 12:22:20 AM | 55110 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 9/9/2020 12:10:11 AM | 54972 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 9/9/2020 12:10:11 AM | 54972 |
| Surr: DNOP | 94.9 | 30.4-154 | | %Rec | 1 | 9/9/2020 12:10:11 AM | 54972 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 11:11:12 AM | 54967 |
| Surr: BFB | 95.8 | 75.3-105 | | %Rec | 1 | 9/9/2020 11:11:12 AM | 54967 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 11:11:12 AM | 54967 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 11:11:12 AM | 54967 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 11:11:12 AM | 54967 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/9/2020 11:11:12 AM | 54967 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | | %Rec | 1 | 9/9/2020 11:11:12 AM | 54967 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 2 of 11

Analytical Report

Lab Order 2009306

Date Reported: 9/14/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EW3

Project: Hoss SWD

Collection Date: 9/2/2020

Lab ID: 2009306-003

Matrix: SOIL

Received Date: 9/4/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/12/2020 12:34:44 AM | 55110 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 9/9/2020 12:34:02 AM | 54972 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 12:34:02 AM | 54972 |
| Surr: DNOP | 91.7 | 30.4-154 | | %Rec | 1 | 9/9/2020 12:34:02 AM | 54972 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 12:21:46 PM | 54967 |
| Surr: BFB | 94.9 | 75.3-105 | | %Rec | 1 | 9/9/2020 12:21:46 PM | 54967 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 12:21:46 PM | 54967 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 12:21:46 PM | 54967 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 12:21:46 PM | 54967 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/9/2020 12:21:46 PM | 54967 |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 9/9/2020 12:21:46 PM | 54967 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Analytical Report

Lab Order 2009306

Date Reported: 9/14/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: EW4

Project: Hoss SWD

Collection Date: 9/2/2020

Lab ID: 2009306-004

Matrix: SOIL

Received Date: 9/4/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/12/2020 12:47:09 AM | 55110 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 9/9/2020 12:57:54 AM | 54972 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 12:57:54 AM | 54972 |
| Surr: DNOP | 92.2 | 30.4-154 | | %Rec | 1 | 9/9/2020 12:57:54 AM | 54972 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 12:45:23 PM | 54967 |
| Surr: BFB | 95.0 | 75.3-105 | | %Rec | 1 | 9/9/2020 12:45:23 PM | 54967 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/9/2020 12:45:23 PM | 54967 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 12:45:23 PM | 54967 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 12:45:23 PM | 54967 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/9/2020 12:45:23 PM | 54967 |
| Surr: 4-Bromofluorobenzene | 99.8 | 80-120 | | %Rec | 1 | 9/9/2020 12:45:23 PM | 54967 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 4 of 11

Analytical Report

Lab Order 2009306

Date Reported: 9/14/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SW4

Project: Hoss SWD

Collection Date: 9/2/2020

Lab ID: 2009306-005

Matrix: SOIL

Received Date: 9/4/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | 140 | 60 | | mg/Kg | 20 | 9/12/2020 12:59:33 AM | 55110 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 9/9/2020 1:21:45 AM | 54972 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 9/9/2020 1:21:45 AM | 54972 |
| Surr: DNOP | 84.9 | 30.4-154 | | %Rec | 1 | 9/9/2020 1:21:45 AM | 54972 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 9/9/2020 1:08:58 PM | 54967 |
| Surr: BFB | 94.4 | 75.3-105 | | %Rec | 1 | 9/9/2020 1:08:58 PM | 54967 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/9/2020 1:08:58 PM | 54967 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 1:08:58 PM | 54967 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 9/9/2020 1:08:58 PM | 54967 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 9/9/2020 1:08:58 PM | 54967 |
| Surr: 4-Bromofluorobenzene | 98.4 | 80-120 | | %Rec | 1 | 9/9/2020 1:08:58 PM | 54967 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 5 of 11

Analytical Report

Lab Order 2009306

Date Reported: 9/14/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Mewbourne Oil Company

Client Sample ID: SW5

Project: Hoss SWD

Collection Date: 9/2/2020

Lab ID: 2009306-006

Matrix: SOIL

Received Date: 9/4/2020 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CAS |
| Chloride | ND | 60 | | mg/Kg | 20 | 9/12/2020 1:11:57 AM | 55110 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: BRM |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 9/9/2020 1:45:38 AM | 54972 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 9/9/2020 1:45:38 AM | 54972 |
| Surr: DNOP | 100 | 30.4-154 | | %Rec | 1 | 9/9/2020 1:45:38 AM | 54972 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 9/9/2020 1:32:29 PM | 54967 |
| Surr: BFB | 94.3 | 75.3-105 | | %Rec | 1 | 9/9/2020 1:32:29 PM | 54967 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/9/2020 1:32:29 PM | 54967 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 9/9/2020 1:32:29 PM | 54967 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 9/9/2020 1:32:29 PM | 54967 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 9/9/2020 1:32:29 PM | 54967 |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 9/9/2020 1:32:29 PM | 54967 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 6 of 11

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009306

14-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: MB-54981 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------|--------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54981 | | RunNo: 71691 | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507305 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 11 | | 10.00 | | 110 | 30.4 | 154 | | | |

| Sample ID: LCS-54981 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54981 | | RunNo: 71691 | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507306 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 5.2 | | 5.000 | | 105 | 30.4 | 154 | | | |

| Sample ID: MB-54972 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54972 | | RunNo: 71691 | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507329 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.4 | | 10.00 | | 94.5 | 30.4 | 154 | | | |

| Sample ID: LCS-54972 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54972 | | RunNo: 71691 | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507330 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 10 | 50.00 | 0 | 92.5 | 70 | 130 | | | |
| Surr: DNOP | 4.6 | | 5.000 | | 92.1 | 30.4 | 154 | | | |

| Sample ID: 2009306-001AMS | SampType: MS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: EW1 | Batch ID: 54972 | | RunNo: 71691 | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507332 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 44 | 9.4 | 47.04 | 0 | 92.8 | 47.4 | 136 | | | |
| Surr: DNOP | 4.6 | | 4.704 | | 97.5 | 30.4 | 154 | | | |

| Sample ID: 2009306-001AMSD | SampType: MSD | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: EW1 | Batch ID: 54972 | | RunNo: 71691 | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/8/2020 | | SeqNo: 2507333 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 42 | 9.3 | 46.51 | 0 | 90.7 | 47.4 | 136 | 3.46 | 43.4 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 7 of 11

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2009306
14-Sep-20

Client: Mewbourne Oil Company
Project: Hoss SWD

| | | | | | | | | | | |
|----------------------------|--------|-------------------------|-----------|---|------|--------------|-----------|------|----------|------|
| Sample ID: 2009306-001AMSD | | SampType: MSD | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | |
| Client ID: EW1 | | Batch ID: 54972 | | RunNo: 71691 | | | | | | |
| Prep Date: 9/5/2020 | | Analysis Date: 9/8/2020 | | SeqNo: 2507333 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.5 | | 4.651 | | 95.9 | 30.4 | 154 | 0 | 0 | |

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009306

14-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-54967 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508112 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 950 | | 1000 | | 94.7 | 75.3 | 105 | | | |

| Sample ID: lcs-54967 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508113 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21 | 5.0 | 25.00 | 0 | 82.1 | 72.5 | 106 | | | |
| Surr: BFB | 1000 | | 1000 | | 104 | 75.3 | 105 | | | |

| Sample ID: 2009306-002AMS | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: EW2 | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508116 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 19 | 4.9 | 24.58 | 0 | 78.4 | 61.3 | 114 | | | |
| Surr: BFB | 1000 | | 983.3 | | 104 | 75.3 | 105 | | | |

| Sample ID: 2009306-002AMSD | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: EW2 | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508117 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 19 | 4.9 | 24.41 | 0 | 76.5 | 61.3 | 114 | 3.11 | 20 | |
| Surr: BFB | 1000 | | 976.6 | | 105 | 75.3 | 105 | 0 | 0 | S |

| Sample ID: mb-54978 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54978 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/10/2020 | SeqNo: 2508136 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 930 | | 1000 | | 93.0 | 75.3 | 105 | | | |

| Sample ID: lcs-54978 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------|--------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54978 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508137 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1000 | | 1000 | | 102 | 75.3 | 105 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009306

14-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-54967 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508158 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.99 | | 1.000 | | 98.8 | 80 | 120 | | | |

| Sample ID: LCS-54967 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508159 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.87 | 0.025 | 1.000 | 0 | 87.1 | 80 | 120 | | | |
| Toluene | 0.88 | 0.050 | 1.000 | 0 | 87.5 | 80 | 120 | | | |
| Ethylbenzene | 0.89 | 0.050 | 1.000 | 0 | 88.8 | 80 | 120 | | | |
| Xylenes, Total | 2.7 | 0.10 | 3.000 | 0 | 88.9 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 102 | 80 | 120 | | | |

| Sample ID: 2009306-001AMS | SampType: MS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: EW1 | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508161 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.84 | 0.025 | 0.9911 | 0 | 84.7 | 76.3 | 120 | | | |
| Toluene | 0.86 | 0.050 | 0.9911 | 0 | 86.4 | 78.5 | 120 | | | |
| Ethylbenzene | 0.87 | 0.050 | 0.9911 | 0 | 87.6 | 78.1 | 124 | | | |
| Xylenes, Total | 2.6 | 0.099 | 2.973 | 0 | 88.0 | 79.3 | 125 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9911 | | 103 | 80 | 120 | | | |

| Sample ID: 2009306-001AMSD | SampType: MSD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: EW1 | Batch ID: 54967 | RunNo: 71708 | | | | | | | | |
| Prep Date: 9/4/2020 | Analysis Date: 9/9/2020 | SeqNo: 2508162 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.76 | 0.024 | 0.9569 | 0 | 79.7 | 76.3 | 120 | 9.57 | 20 | |
| Toluene | 0.79 | 0.048 | 0.9569 | 0 | 82.4 | 78.5 | 120 | 8.24 | 20 | |
| Ethylbenzene | 0.81 | 0.048 | 0.9569 | 0 | 84.3 | 78.1 | 124 | 7.38 | 20 | |
| Xylenes, Total | 2.4 | 0.096 | 2.871 | 0 | 85.2 | 79.3 | 125 | 6.70 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.98 | | 0.9569 | | 102 | 80 | 120 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2009306

14-Sep-20

Client: Mewbourne Oil Company**Project:** Hoss SWD

| Sample ID: mb-54978 | SampType: MBLK | | | | TestCode: EPA Method 8021B: Volatiles | | | | | |
|----------------------------|---------------------------------|-----|-----------|-------------|--|--------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 54978 | | | | RunNo: 71708 | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/10/2020 | | | | SeqNo: 2508182 | Units: %Rec | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.99 | | 1.000 | | 98.9 | 80 | 120 | | | |

| Sample ID: LCS-54978 | SampType: LCS | | | | TestCode: EPA Method 8021B: Volatiles | | | | | |
|-----------------------------|--------------------------------|-----|-----------|-------------|--|--------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 54978 | | | | RunNo: 71708 | | | | | |
| Prep Date: 9/5/2020 | Analysis Date: 9/9/2020 | | | | SeqNo: 2508183 | Units: %Rec | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 102 | 80 | 120 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 11 of 11



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Mewbourne Oil Company

Work Order Number: 2009306

RcptNo: 1

Received By: Cheyenne Cason 9/4/2020 8:00:00 AM

Completed By: Juan Rojas 9/4/2020 8:46:15 AM

Reviewed By: LB 9/4/20

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: em 9/4/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.2 | Good | | | | |
| 2 | 3.8 | Good | | | | |



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

March 18, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 03/16/21 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 1 @ 2' (H210664-01)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/17/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 2 @ 2' (H210664-02)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 03/17/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 3 @ 2' (H210664-03)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | | |
| Total BTEx | <0.300 | 0.300 | 03/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 4 @ 2' (H210664-04)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 5 @ 2' (H210664-05)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 6 @ 2' (H210664-06)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | | |
| Total BTX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 7 @ 2' (H210664-07)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | | |
| Total BTX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 8 @ 2' (H210664-08)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | | |
| Total BTEx | <0.300 | 0.300 | 03/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 9 @ 2' (H210664-09)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/17/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/17/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 10 @ 2' (H210664-10)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTEx | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 11 @ 2' (H210664-11)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTEx | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 12 @ 2' (H210664-12)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTEx | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 13 @ 2' (H210664-13)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 14 @ 2' (H210664-14)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | | |
| Total BTEx | <0.300 | 0.300 | 03/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 15 @ 2' (H210664-15)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTEx | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 16 @ 2' (H210664-16)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 17 @ 2' (H210664-17)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.09 | 105 | 2.00 | 2.82 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.13 | 106 | 2.00 | 2.63 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.08 | 104 | 2.00 | 2.52 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 6.33 | 106 | 6.00 | 2.75 | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 7.55 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 211 | 106 | 200 | 5.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 18 @ 2' (H210664-18)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.11 | 105 | 2.00 | 4.03 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.03 | 102 | 2.00 | 4.55 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 1.99 | 99.5 | 2.00 | 3.73 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 5.92 | 98.7 | 6.00 | 2.78 | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 206 | 103 | 200 | 7.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 6.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 19 @ 2' (H210664-19)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.11 | 105 | 2.00 | 4.03 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.03 | 102 | 2.00 | 4.55 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 1.99 | 99.5 | 2.00 | 3.73 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 5.92 | 98.7 | 6.00 | 2.78 | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 206 | 103 | 200 | 7.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 6.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 67.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 20 @ 2' (H210664-20)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.11 | 105 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.03 | 102 | 2.00 | 4.55 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 1.99 | 99.5 | 2.00 | 3.73 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 5.92 | 98.7 | 6.00 | 2.78 | | |
| Total BTEX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 544 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 206 | 103 | 200 | 7.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 6.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 68.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: WW 1 (H210664-21)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.06 | 103 | 2.00 | 4.41 | |
| Toluene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.10 | 105 | 2.00 | 3.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/17/2021 | ND | 2.03 | 101 | 2.00 | 3.77 | |
| Total Xylenes* | <0.150 | 0.150 | 03/17/2021 | ND | 6.15 | 102 | 6.00 | 4.09 | |
| Total BTEX | <0.300 | 0.300 | 03/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 206 | 103 | 200 | 7.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 6.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 68.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/16/2021 | Sampling Date: | 03/15/2021 |
| Reported: | 03/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: SW 1 (H210664-22)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.11 | 105 | 2.00 | 4.03 | |
| Toluene* | <0.050 | 0.050 | 03/18/2021 | ND | 2.03 | 102 | 2.00 | 4.55 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/18/2021 | ND | 1.99 | 99.5 | 2.00 | 3.73 | |
| Total Xylenes* | <0.150 | 0.150 | 03/18/2021 | ND | 5.92 | 98.7 | 6.00 | 2.78 | |
| Total BTX | <0.300 | 0.300 | 03/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 03/17/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/18/2021 | ND | 206 | 103 | 200 | 7.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/18/2021 | ND | 210 | 105 | 200 | 6.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------|--|---|--|--------------|--|---|--|------------|--|--|--|-----|--|----------------|--|--------|--|------------|--|------------|--|--------|--|------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Joel Lowry | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: Mewbourne | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: Mewbourne | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss 11 SWD #1 | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Eddy Co, NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Miguel Ramirez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| R LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER: | | ACID/BASE: | | ICE / COOL | | OTHER: | | DATE | | TIME | |
| H21066H | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 1 FL 1 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 2 FL 2 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 3 FL 3 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 4 FL 4 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 5 FL 5 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 6 FL 6 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 7 FL 7 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 8 FL 8 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 9 FL 9 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| 10 FL 10 @ 2' | | | | C | | 1 | | | | | | X | | | | | | | | X | | 3/15/21 | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: [Signature] | | | | Date: 3-16-21 | | | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | |
| | | | | Time: 1440 | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | | | |
| 2.4c #113 | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | T.O | | | | | | | | | | | | | | | | | | | | | |



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|-------------------|--------------|---|------------|------|-----|---|--------|------------|------------|---|--|----------------|------|----------|-------------|-------------------|--------------|--------|--|--|--|--|--|----------|--|----------|--|------|------|-------------|------------|------|-----|--------|--------|------------|------------|--------|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|-----------|-------------------|----------|----------|--|--|--|--|--|--|--|--|--|--|----------------|--|
| Project Manager: <u>Joel Lowry</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <u>Mewbourne</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>12712</u> Project Owner: <u>Mewbourne</u> | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Hoss 11 SWD#1</u> | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Rural Eddy Co, NM</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Miguel Pawlitz</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex;"> <div style="flex: 1;"> <p>R LAB USE ONLY</p> </div> <div style="flex: 2;"> <table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER:</th> <th>ACID/BASE:</th> <th>ICE / COOL</th> <th>OTHER:</th> </tr> </thead> <tbody> <tr><td><u>H210664</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td><u>11</u></td><td><u>FL 11 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>12</u></td><td><u>FL 12 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>13</u></td><td><u>FL 13 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>14</u></td><td><u>FL 14 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>15</u></td><td><u>FL 15 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>16</u></td><td><u>FL 16 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>17</u></td><td><u>FL 17 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>18</u></td><td><u>FL 18 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>19</u></td><td><u>FL 19 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> <tr><td><u>20</u></td><td><u>FL 20 @ 2'</u></td><td><u>C</u></td><td><u>1</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>3/15/21</u></td><td></td></tr> </tbody> </table> </div> </div> | | | | | | | | | | | | | | | | Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | | SAMPLING | | DATE | TIME | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | <u>H210664</u> | | | | | | | | | | | | | | | | <u>11</u> | <u>FL 11 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>12</u> | <u>FL 12 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>13</u> | <u>FL 13 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>14</u> | <u>FL 14 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>15</u> | <u>FL 15 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>16</u> | <u>FL 16 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>17</u> | <u>FL 17 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>18</u> | <u>FL 18 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>19</u> | <u>FL 19 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | <u>20</u> | <u>FL 20 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | | SAMPLING | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>H210664</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>11</u> | <u>FL 11 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>12</u> | <u>FL 12 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>13</u> | <u>FL 13 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>14</u> | <u>FL 14 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>15</u> | <u>FL 15 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>16</u> | <u>FL 16 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>17</u> | <u>FL 17 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>18</u> | <u>FL 18 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>19</u> | <u>FL 19 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>20</u> | <u>FL 20 @ 2'</u> | <u>C</u> | <u>1</u> | | | | | | | | | | | <u>3/15/21</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: <u>[Signature]</u> | | | | Date: <u>3-16-21</u> | | | | Received By: <u>[Signature]</u> | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: <u>1440</u> | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: <u>2.4c #113</u> | | | | Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | (Initials) <u>J.O.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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

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

Page 27 of 27

[illegible]



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

March 24, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 03/18/21 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 21 @ 2' (H210696-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTEX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 22 @ 2' (H210696-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/19/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/19/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 23 @ 2' (H210696-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 24 @ 2' (H210696-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 25 @ 2' (H210696-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 26 @ 2' (H210696-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 27 @ 2' (H210696-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 28 @ 2' (H210696-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 29 @ 2' (H210696-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 03/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/16/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 30 @ 2' (H210696-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 31 @ 2' (H210696-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 32 @ 2' (H210696-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 33 @ 2' (H210696-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/20/2021 | ND | 214 | 107 | 200 | 4.61 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/20/2021 | ND | 212 | 106 | 200 | 4.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 34 @ 2' (H210696-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/22/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/22/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/22/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 64.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 35 @ 2' (H210696-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 36 @ 2' (H210696-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.23 | 112 | 2.00 | 0.0903 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.16 | 108 | 2.00 | 0.440 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.10 | 105 | 2.00 | 0.363 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.18 | 103 | 6.00 | 0.366 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 37 @ 2' (H210696-17)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | |
| Total BTEX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 38 @ 2' (H210696-18)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/17/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: WW 2 (H210696-19)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTEX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------|--|---|--|---|--|---|--|--|--|---|--|----------------|--|-------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Joel Lowry | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: Newbarrne | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: Newbarrne | | City: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss II SWD#1 | | | | State: | | Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Eddy co, NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Miguel Ramirez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex;"> <div style="flex: 1;"> <p>R LAB USE ONLY</p> <p>Lab I.D. H210696</p> </div> <div style="flex: 2;"> <p>Sample I.D.</p> </div> </div> | | | | <p>(G)RAB OR (C)OMP.</p> <p># CONTAINERS</p> | | <p>MATRIX</p> <p>GROUNDWATER</p> <p>WASTEWATER</p> <p>SOIL</p> <p>OIL</p> <p>SLUDGE</p> <p>OTHER:</p> | | | | <p>PRESERV.</p> <p>ACID/BASE:</p> <p>ICE / COOL</p> <p>OTHER:</p> | | <p>SAMPLING</p> <p>DATE</p> <p>TIME</p> | | | | | | | | | | | | | | | |
| 1 FL 21 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 2 FL 22 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 3 FL 23 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 4 FL 24 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 5 FL 25 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 6 FL 26 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 7 FL 27 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 8 FL 28 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | 3/16/21 | | X X X | | | | | | | | | | | |
| 9 FL 29 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| 10 FL 30 @ 2' | | | | C 1 | | X | | | | X | | 3/16/21 | | | | X X X | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: [Signature] | | | | Date: 3-18-21 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Time: 1610 | | Received By: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Time: | | Received By: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 12.8c #113 | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | Y.O. | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 23 of 23

| Company Name: Etch Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-------------|------------|--|--------------|--------|----------|---|------------|-------|----------|--|----------|--|------|------|-------------|------------|------|-----|--------|-------|-----------|------------|-------|---------|--|--|--|--|--|--|--|--|--|--|--|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------------|---|---|--|--|---|--|--|--|---|---------|--|----|------|---|---|--|--|---|--|--|--|---|---------|--|
| Project Manager: Joel Lowry | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: Newbourne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: Newbourne | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss 11 SWD #1 | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Rural Eddy co, NM | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Miguel Ramirez | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex;"> <div style="flex: 1;"> <p>R LAB USE ONLY</p> <p>Lab I.D. Sample I.D.</p> </div> <div style="flex: 2;"> <table border="1"> <thead> <tr> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> </tr> </thead> <tbody> <tr><td>H210696</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td>FL 31 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>12</td><td>FL 32 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>13</td><td>FL 33 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>14</td><td>FL 34 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>15</td><td>FL 35 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>16</td><td>FL 36 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>17</td><td>FL 37 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>18</td><td>FL 38 @ 2'</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> <tr><td>19</td><td>WW 2</td><td>C</td><td>1</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td>X</td><td>3/17/21</td><td></td></tr> </tbody> </table> </div> </div> | | | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | | SAMPLING | | DATE | TIME | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | H210696 | | | | | | | | | | | | | 11 | FL 31 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 12 | FL 32 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 13 | FL 33 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 14 | FL 34 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 15 | FL 35 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 16 | FL 36 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 17 | FL 37 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 18 | FL 38 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | 19 | WW 2 | C | 1 | | | X | | | | X | 3/17/21 | |
| (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | | SAMPLING | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE / COOL | OTHER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H210696 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | FL 31 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | FL 32 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | FL 33 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | FL 34 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | FL 35 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | FL 36 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | FL 37 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | FL 38 @ 2' | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | WW 2 | C | 1 | | | X | | | | X | 3/17/21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: [Signature] | | | | Date: 3-18-21 Time: 1610 | | | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 12.8 #13 | | | | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | [Signature] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



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

March 24, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 03/18/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 39 @ 2' (H210697-01)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 40 @ 2' (H210697-02)

| BTX 8021B | | | mg/kg | | Analyzed By: ms | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | | mg/kg | | Analyzed By: GM | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 41 @ 2' (H210697-03)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | |
| Total BTEx | <0.300 | 0.300 | 03/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 42 @ 2' (H210697-04)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 43 @ 2' (H210697-05)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 44 @ 2' (H210697-06)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 45 @ 2' (H210697-07)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 46 @ 2' (H210697-08)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTX | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/18/2021 | Sampling Date: | 03/18/2021 |
| Reported: | 03/24/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 47 @ 2' (H210697-09)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.12 | 106 | 2.00 | 1.27 | | |
| Toluene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.15 | 108 | 2.00 | 1.48 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/19/2021 | ND | 2.09 | 104 | 2.00 | 1.33 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/19/2021 | ND | 6.39 | 107 | 6.00 | 1.37 | | |
| Total BTEx | <0.300 | 0.300 | 03/19/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 03/22/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 204 | 102 | 200 | 5.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 199 | 99.3 | 200 | 3.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in cursive script, appearing to read "C. D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------------|--|-------------------|--|--------------|--|--|--|----------|--|--|--|---------|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: Newbourn | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: Newbourn | | City: | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss 11 SWD #1 | | | | State: | | Zip: | | | | | | | | | | | | | | | | | |
| Project Location: Rural Eddy Co. N.M. | | | | Phone #: | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER | | | | | | | | | | | | | | | |
| | | | | | | | | WASTEWATER | | | | | | | | | | | | | | | |
| | | | | | | | | SOIL | | | | | | | | | | | | | | | |
| | | | | | | | | OIL | | | | | | | | | | | | | | | |
| | | | | | | | | SLUDGE | | | | | | | | | | | | | | | |
| | | | | | | | | OTHER: | | | | | | | | | | | | | | | |
| | | | | | | | | ACID/BASE: | | | | | | | | | | | | | | | |
| | | | | | | | | ICE / COOL: | | | | | | | | | | | | | | | |
| | | | | | | | | OTHER: | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | DATE | | TIME | | | | | | | | | |
| H2101697 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 FL 39 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 2 FL 40 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 3 FL 41 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 4 FL 42 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 5 FL 43 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 6 FL 44 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 7 FL 45 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 8 FL 46 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| 9 FL 47 @ 2' | | | | C | | 1 | | | | | | | | 3/18/21 | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: 3/18/21 | | | | Received By: | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | |
| Leonel Mojica | | | | Time: 4:30 PM | | | | Tamara Delgado | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | REMARKS: | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | |
| Sampler - UPS - Bus - Other: 2.8c #13 | | | | | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | |
| | | | | | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | |



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

March 25, 2021

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 03/22/21 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 48 @ 2' (H210726-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | |
| Total BTEX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 03/24/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 209 | 105 | 200 | 4.48 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 211 | 105 | 200 | 2.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 69.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 62.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 49 @ 2' (H210726-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 384 | 16.0 | 03/24/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 209 | 105 | 200 | 4.48 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 211 | 105 | 200 | 2.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 65.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 50 @ 2' (H210726-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | |
| Total BTEx | <0.300 | 0.300 | 03/24/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 209 | 105 | 200 | 4.48 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 211 | 105 | 200 | 2.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 51 @ 2' (H210726-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 209 | 105 | 200 | 4.48 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 211 | 105 | 200 | 2.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 52 @ 2' (H210726-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 68.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 53 @ 2' (H210726-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 54 @ 3' (H210726-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.08 | 104 | 2.00 | 4.71 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.02 | 101 | 2.00 | 4.64 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.95 | 97.6 | 2.00 | 4.62 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.78 | 96.3 | 6.00 | 4.45 | | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 55 @ 3' (H210726-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 56 @ 3' (H210726-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 57 @ 3' (H210726-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 65.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 58 @ 2' (H210726-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEx | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 59 @ 2' (H210726-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 60 @ 2' (H210726-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 61 @ 2' (H210726-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 62 @ 2' (H210726-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 63 @ 3' (H210726-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 66 @ 3' (H210726-17)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 68 @ 3' (H210726-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 70 @ 2' (H210726-19)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 75 @ 2' (H210726-20)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 77 @ 3' (H210726-21)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEx | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/24/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/24/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/24/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 79 @ 3' (H210726-22)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 03/24/2021 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/24/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/24/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/24/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 67 @ 3' (H210726-23)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/24/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/24/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/24/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 69 @ 3' (H210726-24)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEx | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/24/2021 | ND | 215 | 107 | 200 | 0.353 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/24/2021 | ND | 203 | 102 | 200 | 0.539 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/24/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 76 @ 3' (H210726-25)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|--------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 175 | 87.7 | 200 | 4.27 | QM-07, QR-03 |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 174 | 87.2 | 200 | 2.88 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 78 @ 3' (H210726-26)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 175 | 87.7 | 200 | 4.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 174 | 87.2 | 200 | 2.88 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 80 @ 3' (H210726-27)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.10 | 105 | 2.00 | 4.15 | | |
| Toluene* | <0.050 | 0.050 | 03/23/2021 | ND | 2.02 | 101 | 2.00 | 3.75 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/23/2021 | ND | 1.95 | 97.3 | 2.00 | 4.68 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/23/2021 | ND | 5.71 | 95.2 | 6.00 | 4.60 | | |
| Total BTEX | <0.300 | 0.300 | 03/23/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 175 | 87.7 | 200 | 4.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 174 | 87.2 | 200 | 2.88 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: WW 3 (H210726-28)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.12 | 106 | 2.00 | 1.70 | | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.05 | 103 | 2.00 | 2.01 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.97 | 98.7 | 2.00 | 1.93 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.85 | 97.5 | 6.00 | 1.75 | | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 175 | 87.7 | 200 | 4.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 174 | 87.2 | 200 | 2.88 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: NW 1 (H210726-29)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.12 | 106 | 2.00 | 1.70 | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.05 | 103 | 2.00 | 2.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.97 | 98.7 | 2.00 | 1.93 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.85 | 97.5 | 6.00 | 1.75 | |
| Total BTX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 175 | 87.7 | 200 | 4.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 174 | 87.2 | 200 | 2.88 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/22/2021 | Sampling Date: | 03/21/2021 |
| Reported: | 03/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: NW 2 (H210726-30)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.12 | 106 | 2.00 | 1.70 | |
| Toluene* | <0.050 | 0.050 | 03/24/2021 | ND | 2.05 | 103 | 2.00 | 2.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/24/2021 | ND | 1.97 | 98.7 | 2.00 | 1.93 | |
| Total Xylenes* | <0.150 | 0.150 | 03/24/2021 | ND | 5.85 | 97.5 | 6.00 | 1.75 | |
| Total BTEX | <0.300 | 0.300 | 03/24/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 448 | 16.0 | 03/24/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/23/2021 | ND | 175 | 87.7 | 200 | 4.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/23/2021 | ND | 174 | 87.2 | 200 | 2.88 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/23/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

| | |
|-------|---|
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|--|--|--------------------------|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Hoss SWD | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: heonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | ACID/BASE: ICE/COOL OTHER: | | | | | | | | | | | | | | | | | |
| H210726 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 FL 48 @ 2' | | C 1 | | | | | | | | | | DATE TIME | | | | | | | | | | | | | | | |
| 2 FL 49 @ 2' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 3 FL 50 @ 2' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 4 FL 51 @ 2' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 5 FL 52 @ 2' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 6 FL 53 @ 2' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 7 FL 54 @ 3' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 8 FL 55 @ 3' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 9 FL 56 @ 3' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| 10 FL 57 @ 3' | | C 1 | | | | | | | | | | 3/21/21 | | | | | | | | | | | | | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: heonel Mojica | | | | Date: 3/21/21 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Time: 3:30 AM | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 4.2c #113 | | | | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | (Initials) [Signature] | | | | | | | | | | | | | | | | | | | |

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|-----------------------|--|--------------------------|--|---|--|--|--|---------------------------------|--|----------------|--|--|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: N.M Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Hoss SWD | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: heanel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | | | ACID/BASE ICE/COOL OTHER: | | | | | | | | | | | | | | | | | | | | | |
| #210726 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 FL 58 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 12 FL 59 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 13 FL 60 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 14 FL 61 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 15 FL 62 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 16 FL 63 @ 3' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 17 FL 66 @ 3' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 18 FL 68 @ 3' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 19 FL 70 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| 20 FL 75 @ 2' | | | | C 1 | | | | X | | | | X | | 3/21/21 | | | | X | | X | | X | | | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: heanel Mojica | | | | Date: 3/21/21 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | | | | | | | |
| | | | | Time: 2:30 PM | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 4.2: #113 | | | | | | | | Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | (Initials) T | | | | | | | | | | | | | | | | | | | | | |



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 35 of 35

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------|--|--------------------|--|--------------------------|--|---|--|--|--|------|--|----------------|--|-------------|--|---------|--|------------|--|-----------|--|---------|--|------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: NEWBOURNE | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | State: N.M. Zip: 88240 | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Hoss SWD | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (GRAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE: | | (CE) COOL | | OTHER : | | DATE | | TIME | |
| H210726 | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 FL 77 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 FL 79 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 FL 67 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 FL 69 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 FL 76 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 FL 78 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 FL 80 @ 3' | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 WW 3 | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 NW 1 | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 NW 2 | | | | C 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Leonel Mojica | | | | Date: 3/21/21 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | | | |
| | | | | Time: 3:30 PM | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | | | | | CHECKED BY: | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 4.2c #113 | | | | | | | | Cool Intact | | | | | | | | (Initials) | | | | | | | | | | | | | |
| | | | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | T. - | | | | | | | | | | | | | |
| | | | | | | | | <input type="checkbox"/> No <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | |
| Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



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

March 29, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 03/24/21 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 64 @ 3' (H210747-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTEX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 65 @ 3' (H210747-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 71 @ 2' (H210747-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 72 @ 2' (H210747-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 73 @ 2' (H210747-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTEX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 74 @ 2' (H210747-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 83 @ 3' (H210747-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | QR-03 |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 84 @ 3' (H210747-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 85 @ 3' (H210747-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 86 @ 2' (H210747-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 87 @ 2' (H210747-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 10.9 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/23/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 88 @ 2' (H210747-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.08 | 104 | 2.00 | 4.31 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.00 | 100 | 2.00 | 4.32 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.92 | 95.9 | 2.00 | 5.36 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.63 | 93.8 | 6.00 | 5.77 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 81 @ 4' (H210747-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 82 @ 4' (H210747-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 89 @ 4' (H210747-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | |
| Total BTEx | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 90 @ 4' (H210747-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | | |
| Total BTEX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 91 @ 2' (H210747-17)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 57.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 51.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 92 @ 2' (H210747-18)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 207 | 104 | 200 | 3.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 211 | 106 | 200 | 4.30 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 93 @ 2' (H210747-19)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 210 | 105 | 200 | 3.05 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 202 | 101 | 200 | 3.77 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/24/2021 | Sampling Date: | 03/24/2021 |
| Reported: | 03/29/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 94 @ 2' (H210747-20)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.11 | 106 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 03/25/2021 | ND | 2.05 | 102 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/25/2021 | ND | 1.98 | 99.1 | 2.00 | 4.74 | |
| Total Xylenes* | <0.150 | 0.150 | 03/25/2021 | ND | 5.88 | 98.0 | 6.00 | 4.10 | |
| Total BTX | <0.300 | 0.300 | 03/25/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 03/25/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/25/2021 | ND | 210 | 105 | 200 | 3.05 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/25/2021 | ND | 202 | 101 | 200 | 3.77 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/25/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 23 of 24

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------------|--|------------------------|--|--------------|--|---|--|------------|--|------|--|-----|--|--------|--|--------|--|------------|--|-----------|--|--------|--|------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NewBourne | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: [Redacted] | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: hearel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (GRAB OR C)COMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER: | | ACID/BASE: | | ICEY COOL | | OTHER: | | DATE | | TIME | |
| H210747 | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 1 FL 64 @ 3' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 2 FL 65 @ 3' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 3 FL 71 @ 2' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 4 FL 72 @ 2' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 5 FL 73 @ 2' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 6 FL 74 @ 2' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 7 FL 83 @ 3' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 8 FL 84 @ 3' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 9 FL 85 @ 3' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |
| 10 FL 86 @ 2' | | | | C | | 1 | | X | | | | | | | | | | | | X | | 3/23/21 | | | | | | | |

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

| | | | | | | | | | |
|--------------------------------|--|------------------|--|--------------------------|--|--|--|----------------|--|
| Relinquished By: hearel Mojica | | Date: 3/24/21 | | Received By: [Signature] | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | |
| Relinquished By: | | Time: 4:30 PM | | Received By: | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | |
| Date: 7/6/05 | | Time: | | | | REMARKS: | | | |
| Delivered By: (Circle One) | | Sample Condition | | CHECKED BY: (Initials) | | | | | |
| Sampler - UPS - Bus - Other: | | Cool Intact | | YES NO | | Please email results to pm@etechenv.com. | | | |
| H.I.C #113 | | Cool Intact | | YES NO | | | | | |

**• CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------------------------|--|--------------------------------------|--|--------------|--|---|--|----------|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>hance Cochrane</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <u>NEWBOURNE</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>12712</u> | | Project Owner: <u>NEWBOURNE</u> | | City: <u>Hobbs</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Hoss SWD</u> | | | | State: <u>N.M.</u> Zip: <u>88240</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>hearnel Mojica</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | WASTEWATER | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | SOIL | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OIL | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | SLUDGE | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OTHER: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | ACID/BASE: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | ICE/COOL | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OTHER: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | DATE | | TIME | | | | | | | | | | | | | | | | | |
| <u>H210747</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>11 FL 87 @ 2'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/23/21</u> | | | | | | | | | | | | | | | | | |
| <u>12 FL 88 @ 2'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/23/21</u> | | | | | | | | | | | | | | | | | |
| <u>13 FL 81 @ 4'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>14 FL 82 @ 4'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>15 FL 89 @ 4'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>16 FL 90 @ 4'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>17 FL 91 @ 2'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>18 FL 92 @ 2'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>19 FL 93 @ 2'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <u>20 FL 94 @ 2'</u> | | | | <u>C 1</u> | | | | <u>X</u> | | | | <u>X</u> | | <u>3/24/21</u> | | | | | | | | | | | | | | | | | |
| <small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: <u>3/24/21</u> | | | | Received By: | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | | | |
| <u>hearnel Mojica</u> | | | | Time: <u>4:30 AM</u> | | | | <u>Jamara Okabe</u> | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: <u>1/6/05</u> | | | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: <u>4.1 @ #113</u> | | | | | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | <u>JO.</u> | | | | | | | | | | | | | | | | | | | |



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

April 05, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 03/31/21 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 97 @ 2' (H210807-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTEX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 208 | 104 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 213 | 106 | 200 | 3.17 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 98 @ 2' (H210807-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 208 | 104 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 213 | 106 | 200 | 3.17 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 99 @ 3' (H210807-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 208 | 104 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 213 | 106 | 200 | 3.17 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 100 @ 3' (H210807-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 208 | 104 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 213 | 106 | 200 | 3.17 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 101 @ 2' (H210807-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 208 | 104 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 213 | 106 | 200 | 3.17 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 102 @ 2' (H210807-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 208 | 104 | 200 | 1.84 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 213 | 106 | 200 | 3.17 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 107 @ 2' (H210807-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 108 @ 3' (H210807-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 109 @ 2' (H210807-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 110 @ 2' (H210807-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: SW 3 (H210807-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: SW 4 (H210807-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/30/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: SW 5 (H210807-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 95 @ 2' (H210807-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 96 @ 2' (H210807-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 103 @ 2' (H210807-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 104 @ 2' (H210807-17)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 64.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 60.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 105 @ 2' (H210807-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 65.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 106 @ 2' (H210807-19)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 111 @ 2' (H210807-20)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.26 | 113 | 2.00 | 0.828 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 0.968 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.16 | 108 | 2.00 | 1.27 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.48 | 108 | 6.00 | 1.43 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 68.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 112 @ 2' (H210807-21)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 113 @ 2' (H210807-22)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | |
| Total BTX | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 114 @ 2' (H210807-23)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 544 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 115 @ 2' (H210807-24)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 116 @ 2' (H210807-25)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 117 @ 2' (H210807-26)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | | |
| Toluene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/01/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/01/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | | |
| Total BTEx | <0.300 | 0.300 | 04/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 223 | 112 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 226 | 113 | 200 | 3.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 03/31/2021 | Sampling Date: | 03/31/2021 |
| Reported: | 04/05/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 118 @ 2' (H210807-27)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/02/2021 | ND | 2.22 | 111 | 2.00 | 2.55 | | |
| Toluene* | <0.050 | 0.050 | 04/02/2021 | ND | 2.12 | 106 | 2.00 | 2.41 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/02/2021 | ND | 2.10 | 105 | 2.00 | 2.82 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/02/2021 | ND | 6.25 | 104 | 6.00 | 2.67 | | |
| Total BTEx | <0.300 | 0.300 | 04/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 04/05/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/01/2021 | ND | 196 | 97.8 | 200 | 0.630 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/01/2021 | ND | 200 | 99.8 | 200 | 2.73 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 32

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------|--|------------------------|--|--------------|--|---|--|----------------------------------|--|----------|--|------|--|---|--|---|--|---|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: NEWBOURNE | | City: Hobbs | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | |
| Project Location: Hoss | | | | Phone #: | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | ACID/BASE: ICE/COOL OTHER: | | DATE | | TIME | | | | | | | | | |
| H210807 | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 1 FL 97 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 2 FL 98 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 3 FL 99 @ 3' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 4 FL 100 @ 3' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 5 FL 101 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 6 FL 102 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 7 FL 107 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 8 FL 108 @ 3' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 9 FL 109 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |
| 10 FL 110 @ 2' | | | | C | | 1 | | X | | X | | 3/30/21 | | | | X | | X | | X | | | |

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

| | | | | |
|------------------------------|---|--------------------|--|----------------|
| Relinquished By: | Date: 3/31/21 | Received By: | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Leonel Mojica | Time: 1555 | <i>[Signature]</i> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | Date: | Received By: | REMARKS: | |
| | Time: | | Please email results to pm@etechenv.com. | |
| Delivered By: (Circle One) | Sample Condition | CHECKED BY: | | |
| Sampler - UPS - Bus - Other: | Cool Intact | (Initials) | | |
| 10.7c #113 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 80. | | |



• ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|------------------------|--|--------------|--|---|--|------------|--|------|--|-----|--|--------|--|--------|--|------------|--|----------|--|--------|--|---------|--|------|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Creusshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: HOSS SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: HOSS | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER: | | ACID/BASE: | | (C) COOL | | OTHER: | | DATE | | TIME | | | | | | | | | | | | | | | | | | | |
| 4210807 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | FL 112 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| 22 | | FL 113 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| 23 | | FL 114 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| 24 | | FL 115 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| 25 | | FL 116 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| 26 | | FL 117 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| 27 | | FL 118 @ 2' | | C | | 1 | | | | | | X | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | | | | | | | | | | | | | X | | | | 3/31/21 | | | | X | | X | | X | | | | | | | | | | | | | |
| | | | | C | | 0 | | | | </ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

April 08, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/05/21 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 1 @ SURFACE (H210827-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.08 | 104 | 2.00 | 2.15 | | |
| Toluene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.04 | 102 | 2.00 | 2.01 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/06/2021 | ND | 1.98 | 99.2 | 2.00 | 2.28 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/06/2021 | ND | 5.88 | 98.1 | 6.00 | 1.89 | | |
| Total BTEX | <0.300 | 0.300 | 04/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 56000 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 1 @ 3' (H210827-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.08 | 104 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.04 | 102 | 2.00 | 2.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/06/2021 | ND | 1.98 | 99.2 | 2.00 | 2.28 | |
| Total Xylenes* | <0.150 | 0.150 | 04/06/2021 | ND | 5.88 | 98.1 | 6.00 | 1.89 | |
| Total BTX | <0.300 | 0.300 | 04/06/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 2 @ SURFACE (H210827-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.08 | 104 | 2.00 | 2.15 | | |
| Toluene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.04 | 102 | 2.00 | 2.01 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/06/2021 | ND | 1.98 | 99.2 | 2.00 | 2.28 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/06/2021 | ND | 5.88 | 98.1 | 6.00 | 1.89 | | |
| Total BTX | <0.300 | 0.300 | 04/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 83200 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | 39.6 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | 18.2 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 2 @ 4' (H210827-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.08 | 104 | 2.00 | 2.15 | | |
| Toluene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.04 | 102 | 2.00 | 2.01 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/06/2021 | ND | 1.98 | 99.2 | 2.00 | 2.28 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/06/2021 | ND | 5.88 | 98.1 | 6.00 | 1.89 | | |
| Total BTEX | <0.300 | 0.300 | 04/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 3 @ SURFACE (H210827-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.08 | 104 | 2.00 | 2.15 | | |
| Toluene* | <0.050 | 0.050 | 04/06/2021 | ND | 2.04 | 102 | 2.00 | 2.01 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/06/2021 | ND | 1.98 | 99.2 | 2.00 | 2.28 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/06/2021 | ND | 5.88 | 98.1 | 6.00 | 1.89 | | |
| Total BTX | <0.300 | 0.300 | 04/06/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96000 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 13.3 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | 4910 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | 181 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 232 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 3 @ 2' (H210827-06)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.95 | 97.7 | 2.00 | 3.35 | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.05 | 102 | 2.00 | 2.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.03 | 102 | 2.00 | 2.93 | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.33 | 106 | 6.00 | 3.12 | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 4 @ SURFACE (H210827-07)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | | |
| Total Xylenes* | 0.404 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | | |
| Total BTX | 0.404 | 0.300 | 04/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 104000 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | 35.3 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | 14.6 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 4 @ 3' (H210827-08)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 5 @ SURFACE (H210827-09)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 97300 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | 16.1 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 5 @ 3' (H210827-10)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 225 | 113 | 200 | 4.85 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 239 | 119 | 200 | 5.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 6 @ SURFACE (H210827-11)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 70600 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 216 | 108 | 200 | 0.506 | QR-03 |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 214 | 107 | 200 | 0.852 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 6 @ 3' (H210827-12)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | | |
| Total BTEx | <0.300 | 0.300 | 04/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 216 | 108 | 200 | 0.506 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 214 | 107 | 200 | 0.852 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 7 @ SURFACE (H210827-13)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 72000 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 216 | 108 | 200 | 0.506 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 214 | 107 | 200 | 0.852 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 7 @ 3' (H210827-14)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 216 | 108 | 200 | 0.506 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 214 | 107 | 200 | 0.852 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 8 @ SURFACE (H210827-15)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | |
| Total BTX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 72000 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 216 | 108 | 200 | 0.506 | |
| DRO >C10-C28* | 19.0 | 10.0 | 04/06/2021 | ND | 214 | 107 | 200 | 0.852 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/05/2021 | Sampling Date: | 04/05/2021 |
| Reported: | 04/08/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 8 @ 2' (H210827-16)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/07/2021 | ND | 1.94 | 96.8 | 2.00 | 8.67 | |
| Toluene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.01 | 101 | 2.00 | 8.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/07/2021 | ND | 2.00 | 99.9 | 2.00 | 8.49 | |
| Total Xylenes* | <0.150 | 0.150 | 04/07/2021 | ND | 6.18 | 103 | 6.00 | 8.41 | |
| Total BTEX | <0.300 | 0.300 | 04/07/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 04/06/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/06/2021 | ND | 216 | 108 | 200 | 0.506 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/06/2021 | ND | 214 | 107 | 200 | 0.852 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/06/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

| | |
|-------|---|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|----------------------|--|--------------|--|---|--|------------|--|--|--|--|--|----------------|--|--|--|---|--|--|--|--------|--|-----|--|--------|--|--------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: NM Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: - | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: heonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | | | | | | | | | | | | | SOIL | | OIL | | SLUDGE | | OTHER: | |
| H210527 | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 1 D1 e Surface | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 2 D1 e 3' | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 3 D2 e Surface | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 4 D2 e 4' | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 5 D3 e Surface | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 6 D3 e 2' | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 7 D4 e Surface | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 8 D4 e 3' | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 9 D5 e Surface | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| 10 D5 e 3' | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | 4/5/21 | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: heonel Mojica | | | | Date: 4/5/21 | | | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Time: 1610 | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Date: | | | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24.0°C #113 | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Jc | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------|--|---|--|--------------|--|---|--|----------|--|--|--|------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: NEWBOURNE | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: NM | | Zip: 88240 | | | | | | | | | | | | | | | | | | | | | |
| Project Location: - | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | WASTEWATER | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | SOIL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OIL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | SLUDGE | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OTHER : | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | ACID/BASE: | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | ICE / COOL | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OTHER : | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | DATE | | TIME | | | | | | | | | | | | | |
| H210827 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 06 @ Surface | | G 1 | | | | | | X | | | | 4/5/21 | | | | X X X | | | | | | | | | | | |
| 12 06 @ 3' | | G 1 | | | | | | X | | | | 4/5/21 | | | | X X X | | | | | | | | | | | |
| 13 07 @ Surface | | G 1 | | | | | | X | | | | 4/5/21 | | | | X X X | | | | | | | | | | | |
| 14 07 @ 3' | | G 1 | | | | | | X | | | | 4/5/21 | | | | X X X | | | | | | | | | | | |
| 15 08 @ Surface | | G 1 | | | | | | X | | | | 4/5/21 | | | | X X X | | | | | | | | | | | |
| 16 08 @ 2' | | G 1 | | | | | | X | | | | 4/5/21 | | | | X X X | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Leonel Mojica | | | | Date: 4/5/21 | | | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | |
| | | | | Time: 1610 | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 24.0i #113 | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | 90. | | | | | | | | | | | | | | | | | | | |



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

April 09, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/07/21 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 119 @ 4' (H210881-01)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 2.02 | 101 | 2.00 | 2.58 | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 2.14 | 107 | 2.00 | 1.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 2.14 | 107 | 2.00 | 1.67 | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.61 | 110 | 6.00 | 2.35 | |
| Total BTX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 214 | 107 | 200 | 5.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 217 | 108 | 200 | 4.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 120 @ 4' (H210881-02)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 2.02 | 101 | 2.00 | 2.58 | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 2.14 | 107 | 2.00 | 1.70 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 2.14 | 107 | 2.00 | 1.67 | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.61 | 110 | 6.00 | 2.35 | |
| Total BTEx | <0.300 | 0.300 | 04/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/09/2021 | ND | 214 | 107 | 200 | 5.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/09/2021 | ND | 217 | 108 | 200 | 4.34 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/09/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 121 @ 2' (H210881-03)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 122 @ 2' (H210881-04)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTEX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 448 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 123 @ 2' (H210881-05)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 288 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 124 @ 2' (H210881-06)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 125 @ 2' (H210881-07)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 126 @ 2' (H210881-08)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/08/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/08/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTEX | <0.300 | 0.300 | 04/08/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 640 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 127 @ 2' (H210881-09)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/09/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/09/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/09/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/09/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTEX | <0.300 | 0.300 | 04/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 272 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/07/2021 | Sampling Date: | 04/07/2021 |
| Reported: | 04/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 128 @ 2' (H210881-10)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/09/2021 | ND | 1.90 | 95.0 | 2.00 | 6.77 | | |
| Toluene* | <0.050 | 0.050 | 04/09/2021 | ND | 1.98 | 98.9 | 2.00 | 7.83 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/09/2021 | ND | 1.99 | 99.7 | 2.00 | 7.14 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/09/2021 | ND | 6.24 | 104 | 6.00 | 6.58 | | |
| Total BTEx | <0.300 | 0.300 | 04/09/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 04/09/2021 | ND | 400 | 100 | 400 | 7.69 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/08/2021 | ND | 225 | 112 | 200 | 2.89 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/08/2021 | ND | 234 | 117 | 200 | 1.76 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/08/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------|--|--------------------------------------|--|-------------|--|---|--|----------|--|-----|--|--------|--|--------|--|------------|--|----------|--|----------|--|------|--|------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: <i>hance Creashaw</i> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <i>NEUBOURNE</i> | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <i>12712</i> | | Project Owner: <i>NEUBOURNE</i> | | City: <i>Hobbs</i> | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <i>Hoss SWD</i> | | | | State: <i>N.M.</i> Zip: <i>88240</i> | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <i>leonel Mojica</i> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | |
| | | | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER: | | ACID/BASE: | | ICE/COOL | | OTHER: | | DATE | | TIME | |
| <i>HZ10881</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>1</i> | | <i>FL 119 @ 4'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>2</i> | | <i>FL 120 @ 4'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>3</i> | | <i>FL 121 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>4</i> | | <i>FL 122 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>5</i> | | <i>FL 123 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>6</i> | | <i>FL 124 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>7</i> | | <i>FL 125 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>8</i> | | <i>FL 126 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>9</i> | | <i>FL 127 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |
| <i>10</i> | | <i>FL 128 @ 2'</i> | | <i>C 1</i> | | | | | | <i>x</i> | | | | | | | | <i>x</i> | | <i>x</i> | | <i>x</i> | | | | | |

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

| | | | | | | |
|------------------------------|--------------------|--------------------|--|-----|-------------|----------------|
| Relinquished By: | Date: | Received By: | Phone Result: | Yes | No | Add'l Phone #: |
| <i>leonel Mojica</i> | <i>4/7/21</i> | <i>Jodi Henson</i> | Fax Result: | Yes | No | Add'l Fax #: |
| Relinquished By: | Date: | Received By: | REMARKS: | | | |
| | Time: | | <i>Samples taken & brought directly to lab. JH</i> | | | |
| Delivered By: (Circle One) | Date: | Time: | Please email results to pm@etechenv.com. | | | |
| Sampler - UPS - Bus - Other: | <i>9.42 / #113</i> | | Sample Condition | | CHECKED BY: | |
| | | | Cool Intact | | <i>JH</i> | |
| | | | Yes Yes | | | |
| | | | No No | | | |

FORM-006
Revision 1.0

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



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

April 15, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/09/21 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 129 @ 2' (H210909-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | | |
| Total BTEX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 217 | 109 | 200 | 1.43 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 221 | 111 | 200 | 0.205 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 130 @ 2' (H210909-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 217 | 109 | 200 | 1.43 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 221 | 111 | 200 | 0.205 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 131 @ 2' (H210909-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 217 | 109 | 200 | 1.43 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 221 | 111 | 200 | 0.205 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 132 @ 2' (H210909-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 480 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 217 | 109 | 200 | 1.43 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 221 | 111 | 200 | 0.205 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 133 @ 3' (H210909-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 134 @ 2' (H210909-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 496 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 135 @ 3' (H210909-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 304 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 136 @ 2' (H210909-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 137 @ 2' (H210909-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 04/13/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 138 @ 2' (H210909-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: SW 2 (H210909-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 190 | 94.8 | 200 | 4.90 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 199 | 99.6 | 200 | 0.690 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: SW 6 (H210909-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 219 | 110 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 247 | 124 | 200 | 2.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: EW 1 (H210909-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 219 | 110 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 247 | 124 | 200 | 2.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: EW 2 (H210909-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 219 | 110 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 247 | 124 | 200 | 2.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: EW 3 (H210909-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 219 | 110 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 247 | 124 | 200 | 2.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/09/2021 | Sampling Date: | 04/08/2021 |
| Reported: | 04/15/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: EW 4 (H210909-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.25 | 112 | 2.00 | 0.608 | |
| Toluene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.12 | 106 | 2.00 | 1.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/14/2021 | ND | 2.11 | 105 | 2.00 | 1.60 | |
| Total Xylenes* | <0.150 | 0.150 | 04/14/2021 | ND | 6.27 | 105 | 6.00 | 1.40 | |
| Total BTX | <0.300 | 0.300 | 04/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 04/13/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/13/2021 | ND | 219 | 110 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/13/2021 | ND | 247 | 124 | 200 | 2.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/13/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**• CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 19, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/13/21 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 151 @ 2' (H210932-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.16 | 108 | 2.00 | 2.13 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.08 | 104 | 2.00 | 1.79 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.97 | 98.7 | 2.00 | 1.32 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.84 | 97.4 | 6.00 | 3.46 | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 152 @ 2' (H210932-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.16 | 108 | 2.00 | 2.13 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.08 | 104 | 2.00 | 1.79 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.97 | 98.7 | 2.00 | 1.32 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.84 | 97.4 | 6.00 | 3.46 | | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 153 @ 2' (H210932-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 154 @ 2' (H210932-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 155 @ 2' (H210932-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 156 @ 2' (H210932-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 157 @ 2' (H210932-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 158 @ 2' (H210932-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 68.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 159 @ 2' (H210932-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 160 @ 2' (H210932-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 139 @ 2' (H210932-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 140 @ 2' (H210932-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 04/15/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 71.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 141 @ 2' (H210932-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 68.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 142 @ 2' (H210932-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 143 @ 2' (H210932-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 144 @ 2' (H210932-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 145 @ 2' (H210932-17)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 146 @ 2' (H210932-18)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 189 | 94.4 | 200 | 0.182 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 185 | 92.5 | 200 | 0.998 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 147 @ 2' (H210932-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 336 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/12/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 148 @ 2' (H210932-20)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 149 @ 2' (H210932-21)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 150 @ 2' (H210932-22)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.25 | 113 | 2.00 | 3.60 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.14 | 107 | 2.00 | 3.78 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.13 | 106 | 2.00 | 3.92 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 6.33 | 105 | 6.00 | 3.65 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.0 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 161 @ 2' (H210932-23)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.03 | 101 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.98 | 99.1 | 2.00 | 4.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.90 | 95.0 | 2.00 | 5.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.59 | 93.2 | 6.00 | 6.20 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 352 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 162 @ 2' (H210932-24)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.03 | 101 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.98 | 99.1 | 2.00 | 4.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.90 | 95.0 | 2.00 | 5.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.59 | 93.2 | 6.00 | 6.20 | | |
| Total BTEX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 163 @ 2' (H210932-25)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.03 | 101 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.98 | 99.1 | 2.00 | 4.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.90 | 95.0 | 2.00 | 5.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.59 | 93.2 | 6.00 | 6.20 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 164 @ 2' (H210932-26)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.03 | 101 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.98 | 99.1 | 2.00 | 4.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.90 | 95.0 | 2.00 | 5.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.59 | 93.2 | 6.00 | 6.20 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 165 @ 2' (H210932-27)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.03 | 101 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.98 | 99.1 | 2.00 | 4.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.90 | 95.0 | 2.00 | 5.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.59 | 93.2 | 6.00 | 6.20 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 400 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/13/2021 | Sampling Date: | 04/13/2021 |
| Reported: | 04/19/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 166 @ 2' (H210932-28)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/16/2021 | ND | 2.03 | 101 | 2.00 | 4.03 | | |
| Toluene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.98 | 99.1 | 2.00 | 4.35 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/16/2021 | ND | 1.90 | 95.0 | 2.00 | 5.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/16/2021 | ND | 5.59 | 93.2 | 6.00 | 6.20 | | |
| Total BTX | <0.300 | 0.300 | 04/16/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 04/15/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/14/2021 | ND | 192 | 95.8 | 200 | 0.248 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/14/2021 | ND | 201 | 100 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|------------------------|--|--------------|--|---|--|------------------------------|--|--------------|--|-------|--|--|--|--|--|--|--|--|--|--|--|
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | |
| Project Name: HOSS SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | | | |
| Project Location: - | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Lance Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | ACID/BASE CYCLO OTHER: | | DATE TIME | | | | | | | | | | | | | |
| H210932 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 FL 151 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 2 FL 152 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 3 FL 153 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 4 FL 154 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 5 FL 155 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 6 FL 156 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 7 FL 157 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 8 FL 158 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 9 FL 159 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |
| 10 FC 160 @ 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | X X X | | | | | | | | | | | |

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

| | | | |
|--|---|--|---|
| Relinquished By: Lance Mojica Relinquished By: | Date: 4/12/21 Time: 1430 Date: Time: | Received By: Tamara [Signature] Received By: | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Please email results to pm@etechenv.com. |
|--|---|--|---|

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 4.4c #113

Sample Condition
 Cool Intact
☒ Yes ☐ No
☐ No ☐ No

CHECKED BY:
 (Initials)
 J.E.

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|---|--|-------------------------------|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBURN | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Moss SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: - | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Lionel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | ACID/BASE: ICE COOL OTHER: | | DATE TIME | | | | | | | | | | | | | | | |
| H210932 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 FL 139 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 12 FL 140 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 13 FL 141 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 14 FL 142 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 15 FL 143 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 16 FL 144 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 17 FL 145 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 18 FL 146 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 19 FL 147 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| 20 FL 148 P 2' | | | | C 1 | | | | X | | X | | 4/12/21 | | | | | | | | | | | | | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Lionel Mojica | | | | Date: 4/13/21 | | Received By: Tamara Rodriguez | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Time: 1430 | | Received By: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | |
| | | | | Date: | | | | | | REMARKS: | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 4.4c #113 | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | J.S. | | | | | | | | | | | | | | | | | | | |



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 33 of 33

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|---|--|--|--|---|--|--|--|------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Overshaw | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWSOURCE | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: | | | | City: Holders | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | State: N.M. Zip: 88240 | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (GRAB OR C/COMP. # CONTAINERS) | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | ACID/BASE: ICE/COOL OTHER: | | DATE | | TIME | | | | | | | | | | | | | |
| H210932 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 FL 149 e 2 | | C 1 | | | | X | | X | | 4/12/21 | | | | X X 0 | | | | | | | | | | | |
| 22 FL 150 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| 23 FL 161 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| 24 FL 162 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| 25 FL 163 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| 26 FL 164 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| 27 FL 165 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| 28 FL 166 e 2 | | C 1 | | | | X | | X | | 4/13/21 | | | | X 0 0 | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Leonel Mojica | | | | Date: 4/14/21 | | Received By: Tamara Delgado | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | |
| | | | | Time: 1430 | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 4.4c #113 | | | | Sample Condition | | CHECKED BY: | | | | | | | | | | | | | | | | | | | |
| | | | | Cool Intact | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | V.D. | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



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

April 21, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/16/21 14:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 167 @ 2' (H210983-01)

| BTEX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AC | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 04/19/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 168 @ 2' (H210983-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 04/19/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 169 @ 2' (H210983-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 170 @ 2' (H210983-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 171 @ 2' (H210983-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 172 @ 2' (H210983-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 173 @ 2' (H210983-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 174 @ 2' (H210983-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 175 @ 2' (H210983-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 176 @ 2' (H210983-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.03 | 101 | 2.00 | 3.70 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.00 | 100 | 2.00 | 3.49 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 4.34 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.89 | 98.2 | 6.00 | 3.26 | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 210 | 105 | 200 | 0.252 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 229 | 115 | 200 | 5.09 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 177 @ 2' (H210983-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 178 @ 2' (H210983-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 179 @ 2' (H210983-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 180 @ 2' (H210983-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 181 @ 2' (H210983-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.9 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 126 @ 3' (H210983-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 1B @ SURFACE (H210983-17)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2160 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 2B @ SURFACE (H210983-18)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2280 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 3B @ SURFACE (H210983-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2120 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 4B @ SURFACE (H210983-20)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2080 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 5B @ SURFACE (H210983-21)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2120 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 6B @ SURFACE (H210983-22)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1800 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/19/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/19/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 7B @ SURFACE (H210983-23)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1920 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | QM-07 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/15/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 8B @ SURFACE (H210983-24)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1760 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 1B @ 3' (H210983-25)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 2B @ 4' (H210983-26)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 3B @ 2' (H210983-27)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 4B @ 3' (H210983-28)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 5B @ 3' (H210983-29)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | |
| Total BTX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 6B @ 3' (H210983-30)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.10 | 105 | 2.00 | 3.25 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.02 | 101 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.98 | 99.0 | 2.00 | 3.44 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 5.85 | 97.5 | 6.00 | 3.27 | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 199 | 99.7 | 200 | 2.35 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 203 | 101 | 200 | 2.84 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 7B @ 3' (H210983-31)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.94 | 97.2 | 2.00 | 6.36 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.07 | 103 | 2.00 | 5.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.08 | 104 | 2.00 | 5.08 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 6.59 | 110 | 6.00 | 4.20 | |
| Total BTEx | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 112 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 219 | 110 | 200 | 3.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 237 | 119 | 200 | 5.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 04/16/2021 | Sampling Date: | 04/16/2021 |
| Reported: | 04/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Jodi Henson |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: D 8B @ 3' (H210983-32)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/20/2021 | ND | 1.94 | 97.2 | 2.00 | 6.36 | |
| Toluene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.07 | 103 | 2.00 | 5.77 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/20/2021 | ND | 2.08 | 104 | 2.00 | 5.08 | |
| Total Xylenes* | <0.150 | 0.150 | 04/20/2021 | ND | 6.59 | 110 | 6.00 | 4.20 | |
| Total BTEX | <0.300 | 0.300 | 04/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 04/20/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/20/2021 | ND | 219 | 110 | 200 | 3.40 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/20/2021 | ND | 237 | 119 | 200 | 5.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.5 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|----------------------|--|--------------|--|---|--|---|--|------|--|-----|--------------------------|--------|--|---------|--|------------|--|-----------|--|---------|---|---------|--|------|--|---|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Cranshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NewBourne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: Hobbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Moss SWD | | | | State: NM Zip: 88240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: — | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: hearel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE: | | ICES COOL | | OTHER : | | DATE | | TIME | | | | | | | | | | | | | | | | | | | |
| H210983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 FL 167 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 2 FL 168 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 3 FL 169 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 4 FL 170 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | X | | A | | A | | | | | | | | | | | | | |
| 5 FL 171 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 6 FL 172 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 7 FL 173 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 8 FL 174 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 9 FL 175 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| 10 FL 176 e 2' | | | | C 1 | | | | | | | | X | | | | | | | | | | X | | | | 4/15/21 | | | | A | | A | | A | | | | | | | | | | | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: hearel Mojica | | | | | | | | | | Date: 4/15/21 | | | | | Received By: Jodi Benson | | | | | | | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | | | | | | | Time: 14:28 | | | | | Received By: | | | | | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | REMARKS: | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | | | Sample Condition | | | | | CHECKED BY: | | | | | | | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 5.12 / #113 | | | | | | | | | | Cool Intact | | | | | (Initials) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | JH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|--------------------------|--------------|---|------------|---|----------|-------------|--------|--|----------|----------------|---------|------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: NEWBOURNE | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Moss SWD | | City: Hobbs | | State: NM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: - | | Zip: 88240 | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Laurel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | PRESERV. | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE/COOL | OTHER: | DATE | TIME | | | | | | | | | | | | | | | | | | | | | |
| H210983 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 FL 177 @ 2' | C | 1 | | | X | | | | X | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 12 FL 178 @ 2' | C | 1 | | | X | | | | X | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 13 FL 179 @ 2' | C | 1 | | | X | | | | X | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 14 FL 180 @ 2' | C | 1 | | | α | | | | X | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 15 FL 181 @ 2' | C | 1 | | | X | | | | X | | | 4/15/21 | | X | α | α | | | | | | | | | | | | | | | | | | |
| | 16 FL 126 @ 3' | C | 1 | | | X | | | | X | | | 4/15/21 | | X | α | α | | | | | | | | | | | | | | | | | | |
| | 17 D 1B @ Surface | G | 1 | | | X | | | | X | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 18 D 2B @ Surface | G | 1 | | | X | | | | X | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 19 D 3B @ Surface | G | 1 | | | X | | | | α | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| | 20 D 4B @ Surface | G | 1 | | | X | | | | α | | | 4/15/21 | | α | α | α | | | | | | | | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Laurel Mojica | | | | Date: 4/16/21 | | Received By: Jodi Benson | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: 14:28 | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 5.12/113 | | | | Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | | | | (Initials) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> No <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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

Please email results to pm@etechenv.com.



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | |
|---|----------------|--------------------------|--------------|---|------------|---|-----|--------|----------|--|----|----------------|---------|---------|------|---|---|---|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: NEWBOURNE | | City: Hobbs | | | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | State: N.M. | | Zip: 88240 | | | | | | | | | | | | | | | |
| Project Location: | | Phone #: | | Fax #: | | | | | | | | | | | | | | | |
| Sampler Name: Harold Mojica | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | PRESERV. | SAMPLING | | | | | | | | | |
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | CE | COOL | OTHER : | DATE | TIME | | | | |
| H210983 | | | | | | | | | | | | | | | | | | | |
| 21 | D 5B e Surface | G | 1 | | | x | | | | x | | | | 4/15/21 | | x | x | x | |
| 22 | D 6B e Surface | G | 1 | | | x | | | | x | | | | 4/15/21 | | x | x | x | |
| 23 | D 7B e Surface | G | 1 | | | x | | | | x | | | | 4/15/21 | | x | x | x | |
| 24 | D 8B e Surface | G | 1 | | | x | | | | x | | | | 4/15/21 | | x | x | x | |
| 25 | D 1B e 3' | G | 1 | | | x | | | | x | | | | 4/16/21 | | x | x | x | |
| 26 | D 2B e 4' | G | 1 | | | x | | | | x | | | | 4/16/21 | | x | x | x | |
| 27 | D 3B e 2' | G | 1 | | | x | | | | x | | | | 4/16/21 | | x | x | x | |
| 28 | D 4B e 3' | G | 1 | | | x | | | | x | | | | 4/16/21 | | x | x | x | |
| 29 | D 5B e 3' | G | 1 | | | x | | | | x | | | | 4/16/21 | | x | x | x | |
| 30 | D 6B e 3' | G | 1 | | | x | | | | x | | | | 4/16/21 | | x | x | x | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Harold Mojica | | | | Date: 4/16/21 | | Received By: Jodi Benson | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | |
| Relinquished By: | | | | Time: | | Received By: | | | | REMARKS: | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | |
| Sampler - UPS - Bus - Other: 5.12/#113 | | | | Cool Intact | | Initials | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 28, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/26/21 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/26/2021 | Sampling Date: | 04/26/2021 |
| Reported: | 04/28/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: NW 3 (H211062-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.02 | 101 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 04/27/2021 | ND | 1.99 | 99.4 | 2.00 | 3.27 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/27/2021 | ND | 1.95 | 97.6 | 2.00 | 3.49 | |
| Total Xylenes* | <0.150 | 0.150 | 04/27/2021 | ND | 5.82 | 97.0 | 6.00 | 3.08 | |
| Total BTX | <0.300 | 0.300 | 04/27/2021 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 04/27/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/27/2021 | ND | 213 | 107 | 200 | 1.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/27/2021 | ND | 176 | 88.2 | 200 | 3.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/27/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/26/2021 | Sampling Date: | 04/26/2021 |
| Reported: | 04/28/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: NW 4 (H211062-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.05 | 103 | 2.00 | 1.06 | |
| Toluene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.11 | 106 | 2.00 | 4.21 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.10 | 105 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 04/27/2021 | ND | 6.01 | 100 | 6.00 | 4.15 | |
| Total BTX | <0.300 | 0.300 | 04/27/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 04/27/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/28/2021 | ND | 213 | 107 | 200 | 1.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/28/2021 | ND | 176 | 88.2 | 200 | 3.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/28/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 62.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 56.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/26/2021 | Sampling Date: | 04/26/2021 |
| Reported: | 04/28/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: NW 5 (H211062-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.05 | 103 | 2.00 | 1.06 | |
| Toluene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.11 | 106 | 2.00 | 4.21 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.10 | 105 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 04/27/2021 | ND | 6.01 | 100 | 6.00 | 4.15 | |
| Total BTX | <0.300 | 0.300 | 04/27/2021 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 04/27/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/28/2021 | ND | 213 | 107 | 200 | 1.06 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/28/2021 | ND | 176 | 88.2 | 200 | 3.32 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/28/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/26/2021 | Sampling Date: | 04/26/2021 |
| Reported: | 04/28/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: WW 4 (H211062-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.05 | 103 | 2.00 | 1.06 | |
| Toluene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.11 | 106 | 2.00 | 4.21 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.10 | 105 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 04/27/2021 | ND | 6.01 | 100 | 6.00 | 4.15 | |
| Total BTX | <0.300 | 0.300 | 04/27/2021 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 04/27/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/27/2021 | ND | 232 | 116 | 200 | 13.4 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/27/2021 | ND | 211 | 105 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/27/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 70.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 04/26/2021 | Sampling Date: | 04/26/2021 |
| Reported: | 04/28/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: WW 5 (H211062-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.05 | 103 | 2.00 | 1.06 | |
| Toluene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.11 | 106 | 2.00 | 4.21 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/27/2021 | ND | 2.10 | 105 | 2.00 | 4.69 | |
| Total Xylenes* | <0.150 | 0.150 | 04/27/2021 | ND | 6.01 | 100 | 6.00 | 4.15 | |
| Total BTX | <0.300 | 0.300 | 04/27/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 04/27/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 04/27/2021 | ND | 232 | 116 | 200 | 13.4 | |
| DRO >C10-C28* | <10.0 | 10.0 | 04/27/2021 | ND | 211 | 105 | 200 | 13.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 04/27/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 60.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 58.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

| | |
|-------|--|
| QR-04 | The RPD for the BS/BSD was outside of historical limits. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 8

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|----------------------|--------------|--|------------|--|-----|---|---------|------------|------------|--|----------------|------|----------|----------|----------|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>hance Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <u>NEWBOURNE</u> | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>12712</u> Project Owner: <u>NEWBOURNE</u> | | | | City: <u>Hobbs</u> | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>HOSS SW</u> | | | | State: <u>N.M.</u> Zip: <u>88240</u> | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>-</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>heonel Mojica</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | | | | | | | | | | | | | |
| <u>H211062</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>1 NW 3</u> | <u>C</u> | <u>1</u> | | | <u>X</u> | | | | <u>X</u> | | | <u>4/26/21</u> | | <u>X</u> | <u>X</u> | <u>X</u> | | | | | | | | | | |
| | <u>2 NW 4</u> | <u>C</u> | <u>1</u> | | | <u>X</u> | | | | <u>X</u> | | | <u>4/26/21</u> | | <u>X</u> | <u>X</u> | <u>X</u> | | | | | | | | | | |
| | <u>3 NW 5</u> | <u>C</u> | <u>1</u> | | | <u>X</u> | | | | <u>X</u> | | | <u>4/26/21</u> | | <u>X</u> | <u>X</u> | <u>X</u> | | | | | | | | | | |
| | <u>4 NW 4</u> | <u>C</u> | <u>1</u> | | | <u>X</u> | | | | <u>X</u> | | | <u>4/26/21</u> | | <u>X</u> | <u>X</u> | <u>X</u> | | | | | | | | | | |
| | <u>5 NW 5</u> | <u>C</u> | <u>1</u> | | | <u>X</u> | | | | <u>X</u> | | | <u>4/26/21</u> | | <u>X</u> | <u>X</u> | <u>X</u> | | | | | | | | | | |
| <p><small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | Date: <u>4/26/21</u> | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | | | | | | | | | | | | | | | | | | | |
| Relinquished By: <u>heonel Mojica</u> | | Time: <u>1600</u> | | Received By: <u>Juanita Alarcon</u> | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | Date: | | Received By: | | REMARKS: | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | Time: | | Received By: | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: <u>27.1°C #113</u> | | | | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Yes <input type="checkbox"/> No <input type="checkbox"/> No | | | | (Initials) <u>TO</u> | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



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

May 18, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 05/14/21 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/13/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 183 @ 6' (H211260-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/17/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | |
| Toluene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | |
| Total BTEX | <0.300 | 0.300 | 05/17/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 816 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/13/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 184 @ 11' (H211260-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/17/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTEX | <0.300 | 0.300 | 05/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 816 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/13/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 185 @ 11' (H211260-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/17/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTEx | <0.300 | 0.300 | 05/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 880 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/13/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 186 @ 11' (H211260-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/17/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTEx | <0.300 | 0.300 | 05/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 896 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/13/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 187 @ 11' (H211260-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/17/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTEX | <0.300 | 0.300 | 05/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 800 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/13/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 182 @ 6' (H211260-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/17/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/17/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/17/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTX | <0.300 | 0.300 | 05/17/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 656 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/14/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 188 @ 10' (H211260-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/18/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/18/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTEX | <0.300 | 0.300 | 05/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 864 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/14/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 189 @ 10' (H211260-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/18/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | |
| Toluene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | |
| Total Xylenes* | <0.150 | 0.150 | 05/18/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | |
| Total BTEx | <0.300 | 0.300 | 05/18/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 768 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/17/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/17/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/17/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/14/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 190 @ 10' (H211260-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/18/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/18/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTX | <0.300 | 0.300 | 05/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 704 | 16.0 | 05/18/2021 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/18/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/18/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/14/2021 | Sampling Date: | 05/14/2021 |
| Reported: | 05/18/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 191 @ 10' (H211260-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/18/2021 | ND | 2.01 | 101 | 2.00 | 5.91 | | |
| Toluene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.95 | 97.3 | 2.00 | 6.84 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/18/2021 | ND | 1.88 | 94.1 | 2.00 | 6.88 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/18/2021 | ND | 5.67 | 94.5 | 6.00 | 6.80 | | |
| Total BTEx | <0.300 | 0.300 | 05/18/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 832 | 16.0 | 05/18/2021 | ND | 400 | 100 | 400 | 7.69 | QM-07 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/18/2021 | ND | 218 | 109 | 200 | 5.49 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/18/2021 | ND | 240 | 120 | 200 | 1.16 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/18/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|--|------------------------------|--|-------------|--|----------|--|---------------------------|--|------|---|----------------------------|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | | | | | | | BILL TO | | | ANALYSIS REQUEST | | | | | | | | | | |
| Project Manager: <u>Lance Crumshaw</u> | | | | | | | | | | P.O. #: | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | |
| Address: P.O. Box 301 | | | | | | | | | | Company: <u>NEUBOURNE</u> | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | | | | | | | Attn: | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | | | | | | | Address: | | | | | | | | | | | | | |
| Project #: <u>12712</u> Project Owner: <u>NEUBOURNE</u> | | | | | | | | | | City: | | | | | | | | | | | | | |
| Project Name: <u>Hoss SWA</u> | | | | | | | | | | State: Zip: | | | | | | | | | | | | | |
| Project Location: <u>—</u> | | | | | | | | | | Phone #: | | | | | | | | | | | | | |
| Sampler Name: <u>heonel Mojica</u> | | | | | | | | | | Fax #: | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | GRAB OR (COMP. # CONTAINERS) | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | |
| | | | | | | GROUNDWATER | | | | | | | | | | | | | | | | | |
| | | | | | | WASTEWATER | | | | | | | | | | | | | | | | | |
| | | | | | | SOIL | | | | | | | | | | | | | | | | | |
| | | | | | | OIL | | | | | | | | | | | | | | | | | |
| | | | | | | SLUDGE | | | | | | | | | | | | | | | | | |
| | | | | | | OTHER: | | | | | | | | | | | | | | | | | |
| | | | | | | ACID/BASE: | | | | | | | | | | | | | | | | | |
| | | | | | | ICE/COOL | | | | | | | | | | | | | | | | | |
| | | | | | | OTHER: | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | DATE | | TIME | | | | | | | | | | | |
| <u>H211260</u> | | | | | | | | | | | | | | | | | | | | | | | |
| <u>1 FL 183 @ 6'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/13/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>2 FL 184 @ 11'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/13/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>3 FL 185 @ 11'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/13/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>4 FL 186 @ 11'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/13/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>5 FL 187 @ 11'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/13/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>6 FL 182 @ 6'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/13/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>7 FL 188 @ 10'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/14/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>8 FL 189 @ 10'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/14/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>9 FL 190 @ 10'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/14/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |
| <u>10 FL 191 @ 10'</u> | | | | <u>C 1</u> | | <u>X</u> | | | | <u>5/14/21</u> | | | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | |

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

| | | | | | | | | | | | | | |
|---|--|----------------------|--|--------------------|--|--|--|----------------|--|--------------------|--|--|--|
| Relinquished By: | | Date: <u>5/14/21</u> | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | | | | | |
| <u>heonel Mojica</u> | | Time: <u>1550</u> | | <u>[Signature]</u> | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | | | | | |
| Relinquished By: | | Date: | | Received By: | | REMARKS: | | | | | | | |
| | | Time: | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | Sample Condition | | | | CHECKED BY: | | | |
| Sampler - UPS - Bus - Other: <u>5.2c #113</u> | | | | | | Cool Intact | | | | (Initials) | | | |
| | | | | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | <u>[Signature]</u> | | | |
| | | | | | | <input type="checkbox"/> No <input type="checkbox"/> Yes | | | | | | | |

Please email results to pm@etechenv.com.



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

May 21, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 05/19/21 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/19/2021 | Sampling Date: | 05/18/2021 |
| Reported: | 05/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: BN @ 16' (H211304-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.93 | 96.3 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.95 | 97.3 | 2.00 | 4.58 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.90 | 95.1 | 2.00 | 6.07 | |
| Total Xylenes* | <0.150 | 0.150 | 05/20/2021 | ND | 5.77 | 96.1 | 6.00 | 5.79 | |
| Total BTX | <0.300 | 0.300 | 05/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 05/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/21/2021 | ND | 222 | 111 | 200 | 0.575 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/21/2021 | ND | 226 | 113 | 200 | 0.512 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.4 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/19/2021 | Sampling Date: | 05/18/2021 |
| Reported: | 05/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: BS @ 16' (H211304-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.93 | 96.3 | 2.00 | 4.28 | | |
| Toluene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.95 | 97.3 | 2.00 | 4.58 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.90 | 95.1 | 2.00 | 6.07 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/20/2021 | ND | 5.77 | 96.1 | 6.00 | 5.79 | | |
| Total BTX | <0.300 | 0.300 | 05/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 05/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/21/2021 | ND | 222 | 111 | 200 | 0.575 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/21/2021 | ND | 226 | 113 | 200 | 0.512 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.3 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/19/2021 | Sampling Date: | 05/18/2021 |
| Reported: | 05/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: TS @ 19 1/2' (H211304-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.93 | 96.3 | 2.00 | 4.28 | | |
| Toluene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.95 | 97.3 | 2.00 | 4.58 | | |
| Ethylbenzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.90 | 95.1 | 2.00 | 6.07 | | |
| Total Xylenes* | <0.150 | 0.150 | 05/20/2021 | ND | 5.77 | 96.1 | 6.00 | 5.79 | | |
| Total BTX | <0.300 | 0.300 | 05/20/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 05/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/21/2021 | ND | 222 | 111 | 200 | 0.575 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/21/2021 | ND | 226 | 113 | 200 | 0.512 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.5 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/19/2021 | Sampling Date: | 05/18/2021 |
| Reported: | 05/21/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: TS @ 18 1/2' (H211304-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.93 | 96.3 | 2.00 | 4.28 | |
| Toluene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.95 | 97.3 | 2.00 | 4.58 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/20/2021 | ND | 1.90 | 95.1 | 2.00 | 6.07 | |
| Total Xylenes* | <0.150 | 0.150 | 05/20/2021 | ND | 5.77 | 96.1 | 6.00 | 5.79 | |
| Total BTX | <0.300 | 0.300 | 05/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 688 | 16.0 | 05/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/21/2021 | ND | 222 | 111 | 200 | 0.575 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/21/2021 | ND | 226 | 113 | 200 | 0.512 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/21/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------------|--|---------------------------|--|-------------------------------------|--|---|--|--|--|---------------------------------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Lance Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <u>NEUBOURNE</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>12712</u> | | Project Owner: | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: - | | | | State: | | Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Hobbs SWD</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>Leonel Mojica</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | G/RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | | | ACID/BASE ICE/COOL OTHER: | | DATE | | TIME | | | | | | | | | | | | | |
| <u>H211304</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>1 BN @ 16'</u> | | | | <u>G</u> | | <u>1</u> | | | | | | | | <u>5/18/21</u> | | | | | | | | | | | | | | | |
| <u>2 BS @ 16'</u> | | | | <u>G</u> | | <u>1</u> | | | | | | | | <u>5/18/21</u> | | | | | | | | | | | | | | | |
| <u>3 TS @ 19 1/2'</u> | | | | <u>G</u> | | <u>1</u> | | | | | | | | <u>5/18/21</u> | | | | | | | | | | | | | | | |
| <u>4 TS @ 18 1/2'</u> | | | | <u>G</u> | | <u>1</u> | | | | | | | | <u>5/18/21</u> | | | | | | | | | | | | | | | |
| <p><small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: <u>Leonel Mojica</u> | | | | Date: <u>5/19/21</u> | | Received By: <u>Tamara Eldridge</u> | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | | | |
| | | | | Time: <u>1620</u> | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: <u>16.4c #113</u> | | | | | | | | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | (Initials) <u>T.D.</u> | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



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

May 25, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 05/24/21 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/24/2021 | Sampling Date: | 05/24/2021 |
| Reported: | 05/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: BSN @ 10' (H211334-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 912 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BSN @ 12' (H211334-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1070 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BSN @ 14' (H211334-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BSN @ 16' (H211334-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1060 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/24/2021 | Sampling Date: | 05/24/2021 |
| Reported: | 05/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: BSN @ 18' (H211334-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 784 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BSS @ 10' (H211334-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BSS @ 12' (H211334-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 976 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BSS @ 14' (H211334-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BSS @ 16' (H211334-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 05/24/2021 | Sampling Date: | 05/24/2021 |
| Reported: | 05/25/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: BSS @ 18' (H211334-10)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|-----------------|------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 864 | 16.0 | 05/25/2021 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | |
|--|--|-------------|--------------------------|-------------------|--------------|---|-------------------------------------|------------------|---------|----------|-------------|--------------|--|--|--|--|--|--|--|
| Project Manager: Lance Crenshaw | | | | | | P.O. #: | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | | | Company: NEWBOURNE | | | | | | | | | | | | | |
| City: Lovington | | | State: NM Zip: 88260 | | | Attn: | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | | Fax #: (575) 396-1429 | | | Address: | | | | | | | | | | | | | |
| Project #: 12712 | | | Project Owner: NEWBOURNE | | | City: | | | | | | | | | | | | | |
| Project Name: Hoss SWD | | | | | | State: Zip: | | | | | | | | | | | | | |
| Project Location: - | | | | | | Phone #: | | | | | | | | | | | | | |
| Sampler Name: heather Mojica | | | | | | Fax #: | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | PRESERV. | SAMPLING | | | | | | | | | | | |
| | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : | ACID/BASE: ICE / COOL OTHER : | DATE | TIME | Chloride | TPH (8015M) | BTEX (8021B) | | | | | | | |
| #211334 | | | | | | | | | | | | | | | | | | | |
| 1 BSN @ 10' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 2 BSN @ 12' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 3 BSN @ 14' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 4 BSN @ 16' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 5 BSN @ 18' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 6 BSS @ 10' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 7 BSS @ 12' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 8 BSS @ 14' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 9 BSS @ 16' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |
| 10 BSS @ 18' | | | | G | 1 | R | | | 5/24/21 | | X | | | | | | | | |

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

| | | | | |
|---------------------------------|--------------------------|--------------------------|----------------------|----------------|
| Relinquished By: heather Mojica | Date: 5/24/21 Time: 1:50 | Received By: [Signature] | Phone Result: Yes No | Add'l Phone #: |
| Relinquished By: | Date: | Received By: | Fax Result: Yes No | Add'l Fax #: |
| | Time: | | REMARKS: Rust | |

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 20.3c #113

Sample Condition
Cool Intact
☐ Yes ☒ No ☐ Yes ☒ No

CHECKED BY: [Initials]
JES

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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



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

June 03, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 06/01/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 198 @ 10' (H211389-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | |
| Total BTEX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.8 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 199 @ 10' (H211389-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 704 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 200 @ 10' (H211389-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 992 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.8 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 201 @ 10' (H211389-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 928 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 202 @ 10' (H211389-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 768 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.6 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 203 @ 10' (H211389-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1280 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.3 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 204 @ 10' (H211389-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 206 | 103 | 200 | 1.30 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 213 | 107 | 200 | 2.50 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.5 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 205 @ 10' (H211389-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1230 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 65.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 206 @ 10' (H211389-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1020 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 207 @ 9' (H211389-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 896 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 208 @ 9' (H211389-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 944 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.8 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 209 @ 9' (H211389-12)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 2.86 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.95 | 97.4 | 2.00 | 3.46 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.87 | 93.7 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.67 | 94.5 | 6.00 | 3.16 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1200 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | QM-07 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 210 @ 9' (H211389-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 7.44 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.97 | 98.3 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.90 | 95.1 | 2.00 | 7.65 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.72 | 95.3 | 6.00 | 7.93 | | |
| Total BTEX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1060 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 211 @ 9' (H211389-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 7.44 | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.97 | 98.3 | 2.00 | 7.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.90 | 95.1 | 2.00 | 7.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.72 | 95.3 | 6.00 | 7.93 | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1120 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 212 @ 9' (H211389-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 7.44 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.97 | 98.3 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.90 | 95.1 | 2.00 | 7.65 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.72 | 95.3 | 6.00 | 7.93 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1250 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.6 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 213 @ 9' (H211389-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 7.44 | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.97 | 98.3 | 2.00 | 7.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.90 | 95.1 | 2.00 | 7.65 | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.72 | 95.3 | 6.00 | 7.93 | |
| Total BTX | <0.300 | 0.300 | 06/02/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1200 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.8 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 214 @ 9' (H211389-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 7.44 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.97 | 98.3 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.90 | 95.1 | 2.00 | 7.65 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.72 | 95.3 | 6.00 | 7.93 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 960 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.5 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/01/2021 | Sampling Date: | 06/01/2021 |
| Reported: | 06/03/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | ** (See Notes) |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 215 @ 9' (H211389-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/02/2021 | ND | 2.00 | 99.8 | 2.00 | 7.44 | | |
| Toluene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.97 | 98.3 | 2.00 | 7.56 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/02/2021 | ND | 1.90 | 95.1 | 2.00 | 7.65 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/02/2021 | ND | 5.72 | 95.3 | 6.00 | 7.93 | | |
| Total BTEx | <0.300 | 0.300 | 06/02/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 06/02/2021 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/02/2021 | ND | 222 | 111 | 200 | 0.965 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/02/2021 | ND | 238 | 119 | 200 | 1.96 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.7 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------|--|--|--|--------------------------|--|---|--|--|--|----------|--|----------------|--|---|--|--|--|--|--|---|--|---|--|--------|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 | | Project Owner: NEWBOURNE | | City: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: HOSS SWD | | | | State: | | Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: - | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | | | | | | | | | | | | | OTHER: | |
| H211389 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 FL 198 @ 10' | | C 1 | | | | | | K | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 2 FL 199 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 3 FL 200 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 4 FL 201 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 5 FL 202 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 6 FL 203 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 7 FL 204 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 8 FL 205 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 9 FL 206 @ 10' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| 10 FL 207 @ 9' | | C 1 | | | | | | X | | | | | | | | X | | 6/1/21 | | | | X | | X | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Leonel Mojica | | | | Date: 6/1/21 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | REMARKS: Brought to lab from field. [Signature] Please email results to pm@etechenv.com. | | | | | | | | | |
| Relinquished By: | | | | Time: 16:35 | | Received By: | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: | | | | Cool Intact | | | | (Initials) | | | | | | | | | | | | | | | | | | | |
| | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | [Signature] | | | | | | | | | | | | | | | | | | | |



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------------|--|---------------------------|--|---------------------------------|--|---|--|--|--|-----------------------------------|--|----------------|--|----------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Lance Crenshaw</u> | | | | P.O. #: | | | | <div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div> | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: <u>NEWBOURNE</u> | | | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington | | State: NM | | Zip: 88260 | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 | | Fax #: (575) 396-1429 | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: <u>12712</u> | | Project Owner: | | City: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <u>Hoss SWD</u> | | | | State: | | Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>-</u> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <u>heonel Mojica</u> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | GRAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | |
| | | | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | | | ACID/BASE (ICE) COOL OTHER: | | DATE TIME | | | | | | | | | | | | | |
| <u>H211389</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>11</u> | | <u>FL 208 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>A</u> | | | | | | | | | | | |
| <u>12</u> | | <u>FL 209 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <u>13</u> | | <u>FL 210 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <u>14</u> | | <u>FL 211 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <u>15</u> | | <u>FL 212 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <u>16</u> | | <u>FL 213 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <u>17</u> | | <u>FL 214 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <u>18</u> | | <u>FL 215 e 9'</u> | | <u>C 1</u> | | <u>1</u> | | <u>X</u> | | | | <u>X</u> | | <u>6/1/21</u> | | <u>X</u> <u>X</u> <u>X</u> | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: <u>heonel Mojica</u> | | | | Date: <u>6/1/21</u> | | Received By: <u>Amara Alday</u> | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | | | |
| | | | | Time: <u>10:35</u> | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: <u>1.8c 413</u> | | | | | | | | Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | (Initials) <u>T.O.</u> | | | | | | | | | | | | | | | |
| Please email results to pm@etechenv.com. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM-006
Revision 1.0

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



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

June 09, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: HOSS 11 SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 06/04/21 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/04/2021 | Sampling Date: | 06/04/2021 |
| Reported: | 06/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 211 @ 10' (H211437-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 06/08/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FL 212 @ 10' (H211437-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 06/08/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FL 213 @ 10' (H211437-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 768 | 16.0 | 06/08/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FL 209 @ 10' (H211437-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 06/08/2021 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

| | | | |
|-------------------|------------------------|---------------------|----------------|
| Received: | 06/04/2021 | Sampling Date: | 06/04/2021 |
| Reported: | 06/09/2021 | Sampling Type: | Soil |
| Project Name: | HOSS 11 SWD #1 | Sampling Condition: | Cool & Intact |
| Project Number: | 12712 | Sample Received By: | Tamara Oldaker |
| Project Location: | MEWBOURNE - EDDY CO NM | | |

Sample ID: FL 205 @ 11' (H211437-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 06/08/2021 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: FL 203 @ 11' (H211437-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 752 | 16.0 | 06/08/2021 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------|--|--------------------|--|--------------------------|--|--|--|--|--|---------------------------|--|----------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Etech Environmental & Safety Solutions, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
| Project Manager: Lance Crenshaw | | | | P.O. #: | | | | Chloride TPH (8015M) BTEX (8021B) | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 301 | | | | Company: NEWBOURNE | | | | | | | | | | | | | | | | | | | | | |
| City: Lovington State: NM Zip: 88260 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: (575) 396-2378 Fax #: (575) 396-1429 | | | | Address: | | | | | | | | | | | | | | | | | | | | | |
| Project #: 12712 Project Owner: NEWBOURNE | | | | City: | | | | | | | | | | | | | | | | | | | | | |
| Project Name: HOSS SWD | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: Leonel Mojica | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | GRAB OR (C)OMP. | | CONTAINERS | | MATRIX | | PRESERV. | | SAMPLING | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | | | | | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: | | ACID/BASE ICEY COOL OTHER: | | DATE TIME | | | | | | | | | | | | | |
| H211437 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | FL 211 @ 10' | | C | | 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | FL 212 @ 10' | | C | | 1 | | | | | | | | | | | | | | | | | | | |
| 3 | | FL 213 @ 10' | | C | | 1 | | | | | | | | | | | | | | | | | | | |
| 4 | | FL 209 @ 10' | | C | | 1 | | | | | | | | | | | | | | | | | | | |
| 5 | | FL 205 @ 11' | | C | | 1 | | | | | | | | | | | | | | | | | | | |
| 6 | | FL 203 @ 11' | | C | | 1 | | | | | | | | | | | | | | | | | | | |
| <p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Leonel Mojica | | | | Date: 6/4/21 | | Received By: [Signature] | | | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Phone #: | | | | | | | | | | | |
| | | | | Time: 1510 | | | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | Add'l Fax #: | | | | | | | | | | | |
| Relinquished By: | | | | Date: | | Received By: | | | | REMARKS: | | | | | | | | | | | | | | | |
| | | | | Time: | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | | | | | | | | Sample Condition | | | | CHECKED BY: | | | | Please email results to pm@etechenv.com. | | | | | | | | | |
| Sampler - UPS - Bus - Other: 5.5 @ #13 | | | | | | | | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | (Initials) [Signature] | | | | | | | | | | | | | |

| | |
|----------------|---------------|
| Incident ID | nRM2018244476 |
| 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 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: Robbie Runnels Title: Environmental Representative
Signature: _____ Date: _____
email: rrunnels@mewbourne.com Telephone: (575)393-5905

OCD Only

Received by: Robert Hamlet Date: 10/4/2021

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

Signature: Robert Hamlet Date: 10/4/2021

District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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

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

CONDITIONS

Action 35789

CONDITIONS

| | |
|---|---|
| Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241 | OGRID: 14744 |
| | Action Number: 35789 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| rhamlet | Mewbourne's deferral requests to complete final remediation for impacted soils (D 1B through D 8B) affected above the NMOCD Closure Criteria beneath and adjacent to the on-site electrical facilities, containment area, and associated equipment until the facility is decommissioned and abandoned. At this time, OCD approves the request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. | 10/4/2021 |