CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

Centennial Resource Development, Inc.
Merchant Livestock 25 State COM 2H
Lea County, New Mexico
Unit Letter "C", Section 25, Township 22 South, Range 34 East
Latitude 32.369505º North, Longitude 103.426626º West
NMOCD Reference # nRH2003535484

Prepared For:

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

Prepared By:

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

December 2020

Wesley A. Desilets
Project Manager

Matthew K. Green, P.G.
Senior Project Manager

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FIGURES

TABLES

APPENDICES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nRH2003535484
District RP	
Facility ID	
Application ID	

Release Notification

The Merchant Livestock 24 2H was incorrect. It should be the Merchant 25 2H. The C141 has been corrected.

Responsible Party

Responsible Party **Centennial Resources Development**	OGRID **372165**
Contact Name **Zane Kurtz**	Contact Telephone **432-701-5672**
Contact email **zane.kurtz@cdevinc.com**	Incident # *(assigned by OCD)*
Contact mailing address **500 W Illinois Ave, Suite 500, Midland, Texas 79701**	

Location of Release Source

Latitude **32.36974** Longitude **-103.42675**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: **Merchant Livestock 25 State Com 2H**	Site Type **Oil Well and Tank Battery**
Date Release Discovered: **November 16, 2019**	API# *(if applicable)*: **30-025-41350**

Unit Letter	Section	Township	Range	County
C	25	22S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) **3**	Volume Recovered (bbls) **2**
☒ Produced Water	Volume Released (bbls) **1040**	Volume Recovered (bbls) **1000**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: **Check valve on the water transfer pump failed and caused transfer pump to spill out and fill lined containment. Then it over ran the containment and ran south of the battery and into the pasture area.**

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Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? **The release was over 25 bbls and the release ran off the pad and into pasture.**
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: **Zane Kurtz** Title: **Sr. Environmental Analyst**

Signature: Date: **11-19-2019**

email: **zane.kurtz@cdevinc.com** Telephone: **432-701-5672**

OCD Only

Received by: Date:

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State of New Mexico
Oil Conservation Division

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Site Assessment/Characterization

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

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

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

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

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

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

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State of New Mexico
Oil Conservation Division

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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Oil Conservation Division

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Closure

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

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

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

☑ Description of remediation activities

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

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 12-23-20

email: jamon.hohensee@cdevinc.com Telephone: 432-241-4283

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: _____

INTRODUCTION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial) has prepared this Closure Request and Remediation Summary Report for the Release Site known as Merchant Livestock 25 State COM 2H. The legal description of the Release Site is Unit Letter "C", Section 25, Township 22 South, Range 34 East, in Lea County, New Mexico. The Release Site GPS coordinates are 32.369505º North and 103.426626º West. Please reference Figure 1 for the Site Location Map, Figure 2 for the Site Details Map, Figure 3 for the North Confirmation Soil Sample Location Map, and Figure 4 for the South Confirmation Soil Sample Location Map.

On November 16, 2019, the check valve on the water transfer pump failed causing the transfer pump to release produced water and oil in the lined containment until it overflowed into the adjacent pasture. Approximately three (3) barrels of crude oil and one thousand forty (1,040) barrels of produced water were released with two (2) barrels of crude oil and one thousand (1,000) barrels of produced water recovered, resulting in a net loss of approximately one (1) barrel of crude oil and forty (40) barrels of produced water. On November 19, 2019, Centennial filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD). The Form C-141 is provided as Appendix C. Photographic documentation for the site is provided as Appendix A.

NMOCD SITE CLASSIFICATION

A search of the groundwater database maintained by United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the Merchant Livestock 25 State COM 2H Release Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 322231103262601 located approximately one (1) mile northwest of the Release Site. The average depth to groundwater for USGS Well #: 322231103262601 should be encountered at approximately seventeen (17) feet below ground surface (bgs). Based on the NMOCD site classification system, twenty (20) points will be assigned to the subject area ranking as a result of this criterion. No water wells were observed within one thousand (1,000) feet of the Release Site. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion. No surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD site classification system, twenty (20) points will be assigned to the Merchant Livestock 25 State COM 2H Release Site as a result of this criterion. Based on this score, the soil remediation levels for a site with a ranking score of twenty (20) points are as follows:

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

SUMMARY OF SOIL REMEDIATION ACTIVITIES

On March 16, 2020, Etech was assigned management responsibilities for soil sampling, site restoration, and reporting activities by Centennial. Prior to Etech's involvement, the impacted area

was excavated by a third-party contractor and the impacted soil was disposed of at an NMOCD approved landfill.

Based on the size of the excavated area, the excavation was divided into five (5) sections (A through E).

On May 6, 2020, Etech, collected twenty-seven (27) composite confirmation soil samples from the base and sidewalls of the Section A excavated area. Soil samples were submitted to Permian Basin Environmental Lab, L.P. (PBELAB) in Midland, Texas to be and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method SW 846-8021B, Total Petroleum Hydrocarbons (TPH) using EPA Method SW 846-8015M, and chloride using EPA Method E 300.0. A review of laboratory analytical results indicated all collected soil samples for Section A were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 3 for soil sampling locations.

On May 7, 2020, twenty-seven (27) composite confirmation soil samples were collected from the base and sidewalls of the Section B excavated area. Soil samples were submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated all collected soil samples for Section B were below laboratory method detection limits and/or applicable NMOCD limits with the exception of chloride concentrations for composite sidewall soil sample B-7 WSW @ 5'. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on the analytical results, further excavation was needed for the area represented by composite sidewall soil sample B-7 WSW @ 5'.

On May 7-8, 2020, fifty-one (51) composite confirmation soil samples were collected from the base and sidewalls of the Section C excavated area. Soil samples were submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated all collected soil samples for Section C were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 3 and Figure 4 for soil sampling locations.

On May 8, 2020, thirty-six (36) composite confirmation soil samples were collected from the base and sidewalls of the Section D excavated area. Soil samples were submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated all collected soil samples for Section D were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 4 for soil sampling locations.

On May 29, 2020, twelve (12) composite confirmation soil samples were collected from the base and sidewalls of the Section E excavated area. Soil samples were submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated all collected soil samples for Section E were below laboratory method detection limits and/or applicable NMOCD limits with the exception of chloride concentrations for composite bottom hole soil samples E-4 BH @ 1' and E-5 BH @ 1' and composite sidewall soil sample E NSW-2 @ 2'. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on analytical results, further excavation was needed for the areas represented by composite bottom hole soil samples E-4 BH @ 1' and E-5 BH @ 1' and composite sidewall soil sample E NSW-2 @ 2'.

On May 29, 2020, one (1) additional composite sidewall confirmation soil sample (A-1 NSW @ 3.5') was collected from the north sidewall of the Section A excavated area. The soil sample was submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated chloride concentrations for A-1 NSW @ 3.5' were above NMOCD limits. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on analytical results, further excavation was needed for the area represented by composite sidewall soil sample A-1 NSW @ 3.5'.

On May 29, 2020, one (1) additional composite sidewall confirmation soil sample (B-1 NSW @ 2.5') was collected from the north sidewall of the Section B excavated area. The soil sample was submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated chloride concentrations for B-1 NSW @ 2.5' were above NMOCD limits. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on analytical results, further excavation was needed for the area represented by composite sidewall soil sample B-1 NSW @ 2.5'.

On May 29, 2020, one (1) additional composite bottom hole confirmation soil sample (C BH-18 @ 7') and five (5) additional composite sidewall confirmation soil samples (C-6 NSW @ 5', C-17 SSW @ 5', C-18 ESW @ 5', C-18 SSW @ 5, and C-18 NSW @ 5') were collected from the Section C excavated area. The soil samples were submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated all collected soil samples for Section C were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 3 and Figure 4 for soil sampling locations.

On May 29, 2020, one (1) additional composite confirmation soil sample (D-12 SSW @ 3') was collected from the north sidewall of the Section D excavated area. The soil sample was submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated D-12 SSW @ 3' was below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 4 for soil sampling locations.

On June 3, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-7 WSW @ 5') was collected from the Section B excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated additional excavation activities were necessary in the area represented by soil sample B-7 WSW @ 5'.

On June 16, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-1 NSW @ 2.5') was collected from the Section B excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated additional excavation activities were necessary in the area represented by soil sample B-1 NSW @ 2.5'.

On June 22, 2020, after additional excavation activities, two (2) composite bottom hole confirmation soil samples (E-4 BH @ 3' and E-5 BH @ 4') and one (1) composite sidewall confirmation soil sample (E NSW-2 @ 2') were collected from the Section E excavated area and

submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated all collected soil samples for Section E were below applicable NMOCD limits.

On June 23, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (A-1 NSW @ 3.5') was collected from the Section A excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated the collected soil sample was below applicable NMOCD limits.

On June 23, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-7 WSW @ 5') was collected from the Section B excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated the collected soil sample was below applicable NMOCD limits.

On July 27, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-1 NSW @ 2.5') was collected from the Section B excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated the collected soil sample was below applicable NMOCD limits.

Based on laboratory analytical results, all impacted soil has been removed from the release area. Table 1 summarizes the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil. Analytical reports are provided as Appendix B.

SOIL DISPOSAL AND CLOSURE REQUEST

On August 6-7 and August 10, 2020, Etech, on behalf of Centennial, transported seven hundred fifty-six (756) cubic yards of material to Sundance Services, Inc. Parabo Facility (NMOCD Permit #: NM-01-0003) located on Highway 18 near Eunice, New Mexico for disposal. On October 19, 2020, backfill activities were completed at the Release Site utilizing non-impacted, soil purchased from a local source and the impacted area was re-contoured to fit the surrounding topography. On October 30, November 2, and November 3, 2020 the Release Site was reseeded utilizing an approved native seed mix and a tractor equipped with a seed drill in an attempt to reestablish vegetation. Yearly monitoring of the site will be conducted to ensure vegetation growth and additional reseeding events will be conducted as needed.

Based on the analytical results of confirmation soil samples collected from the excavation, impacted soils were brought to surface and confirmation soil samples below applicable NMOCD regulatory limits. Etech, on behalf of Centennial, respectfully request that the NMOCD District 1 Office grant site closure to the Merchant Livestock 25 State COM 2H Release Site (NMOCD Reference # 1RP-5791).

LIMITATIONS

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

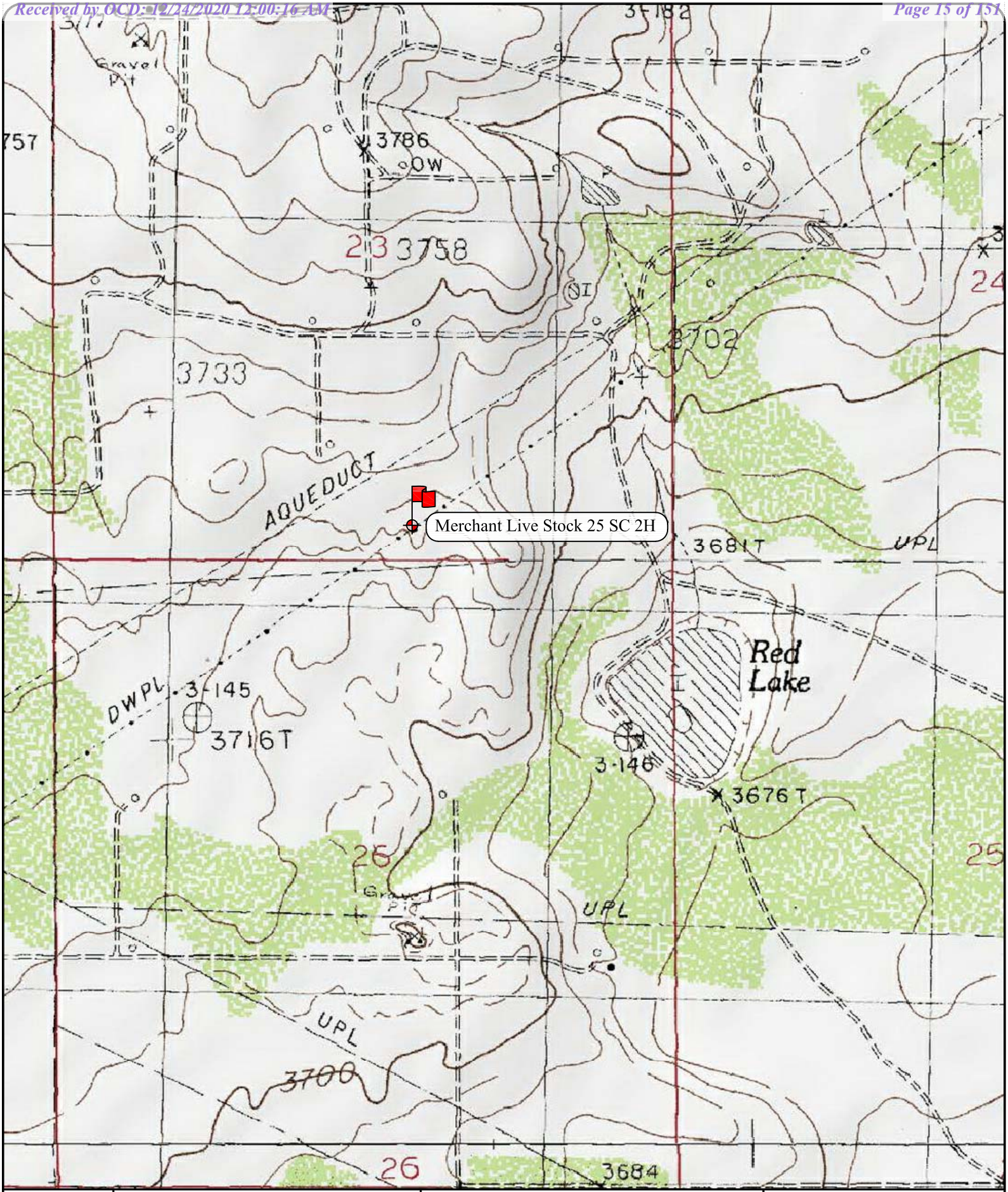
This report has been prepared for the benefit of Centennial Resource Development, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Centennial Resource Development, Inc.

DISTRIBUTION

Copy 1: New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, New Mexico 88210

Copy 2: Jamon Hohensee
Centennial Resource Development, Inc.
500 W. Illinois, Suite 500
Midland, Texas 79701

Copy 3: Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, Texas 79711



Site Map - Merchant Livestock 25 SC 2H
Figure 1: Site Location Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.369505°, W 103.426626°
May 2020

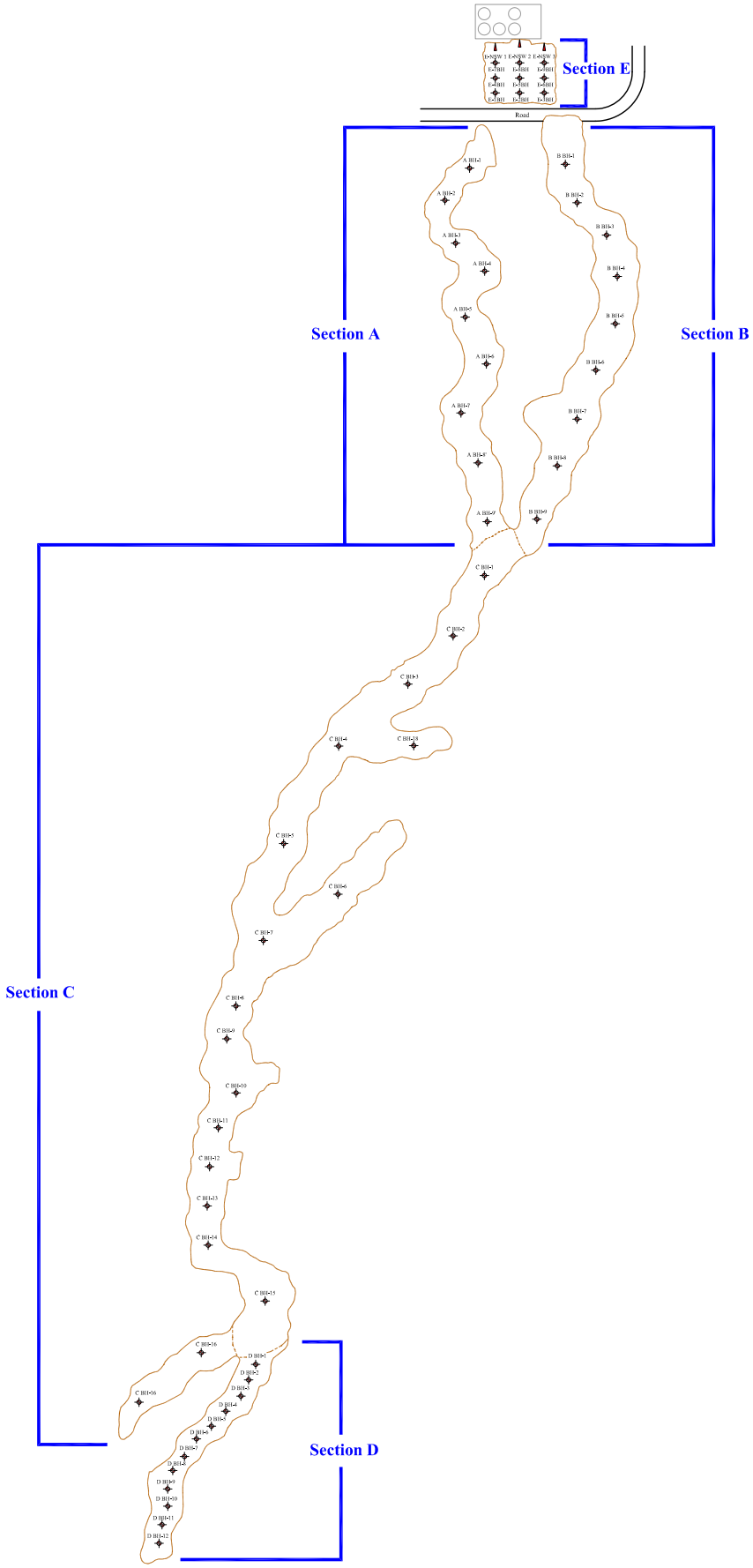
Legend

= Site Location

No Scale

eTECH Environmental & Safety Solutions, Inc.

Job No.
1226-12174



Site Map - Merchant Livestock 25 SC 2H
Figure 2: Site Detail Map
Centennial Resources Development, Inc.
Lea County, NM
N 32.369505°, W 103.426626°
May 2020

Legend

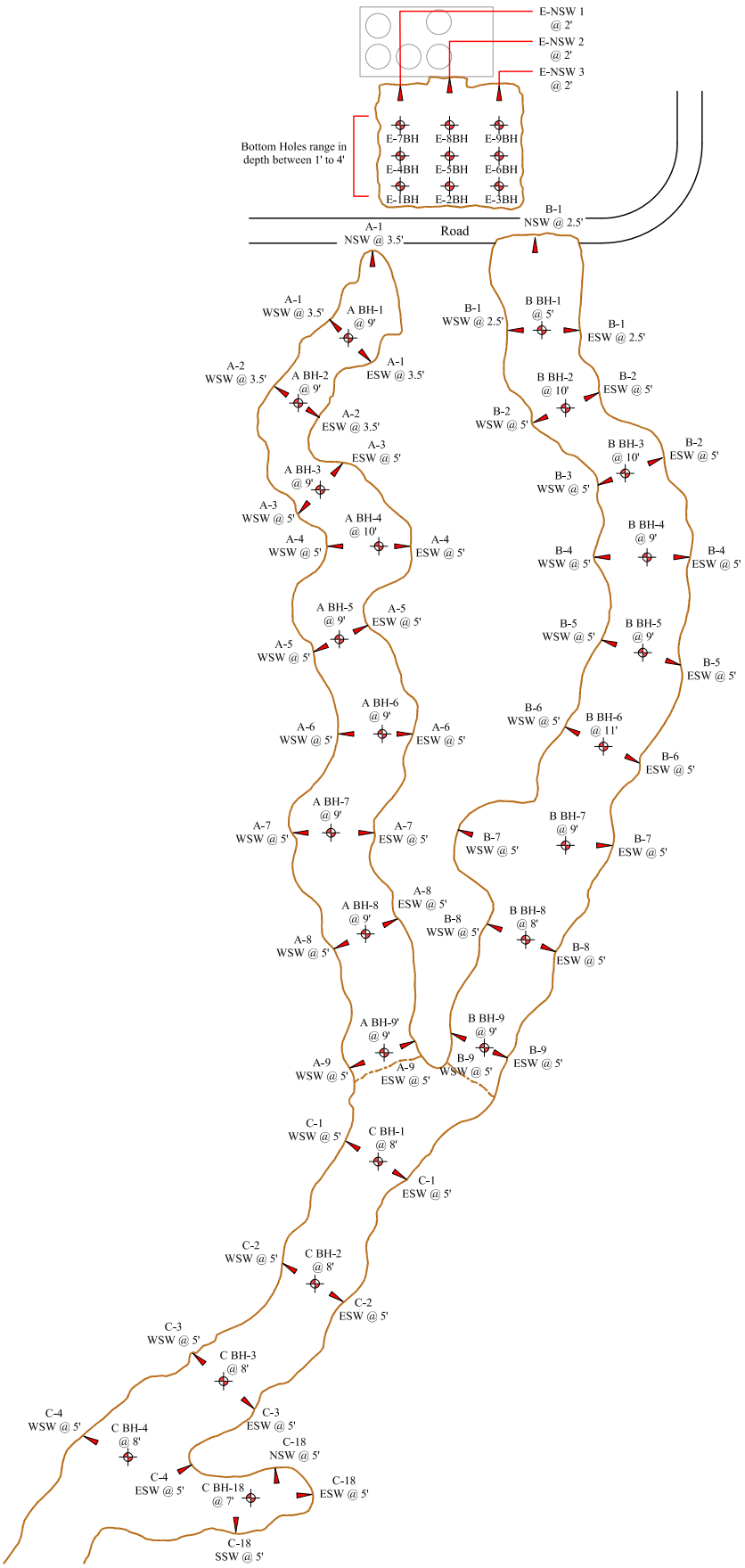
Bottom Sample Points

Excavation Perimeter

0 100 200
Feet

eTECH Environmental & Safety Solutions, Inc.

Job No.
1226-12174



Site Map - Merchant Livestock 25 SC 2H
Figure 3: North Confirmation Soil Sample Map
Centennial Resource Development, Inc
Lea County, NM
N 32.369505°, W 103.426626°
May 2020

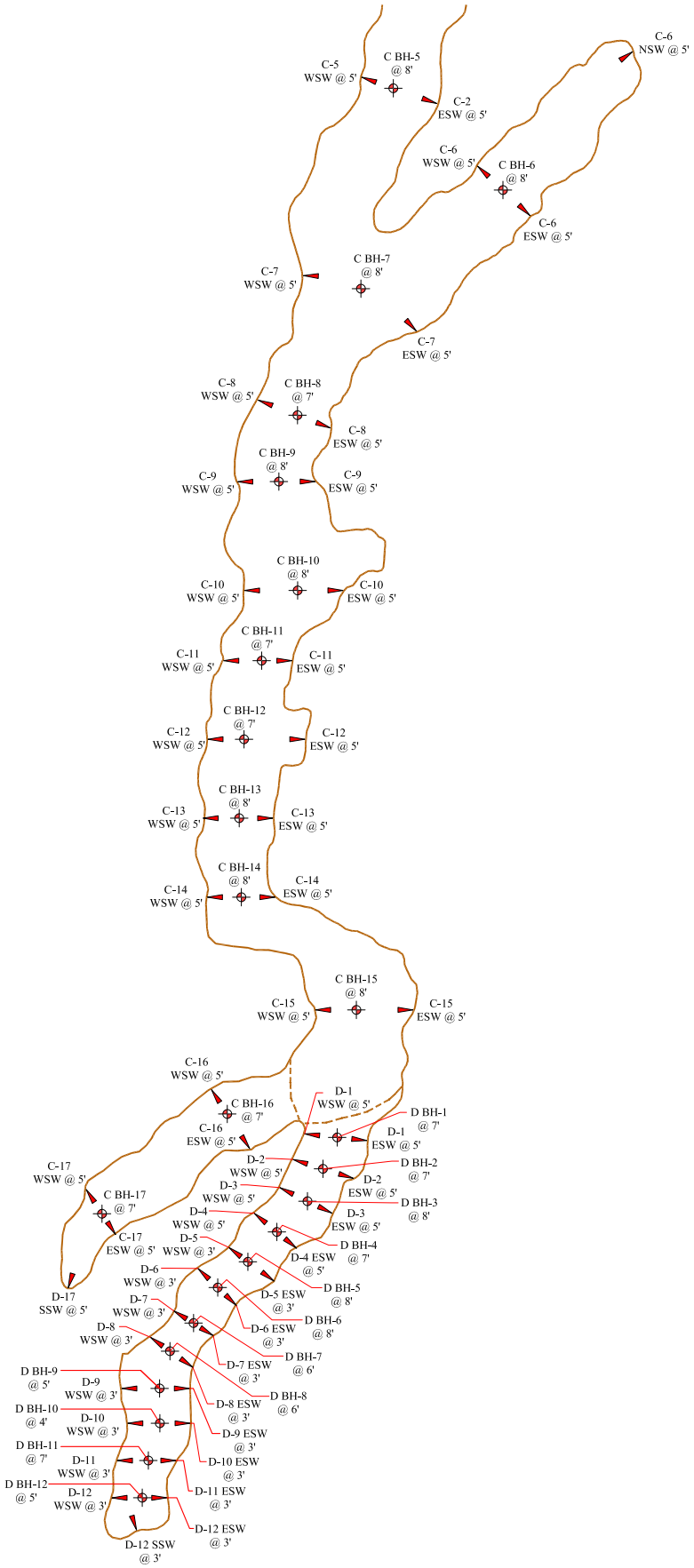
Legend

Bottom Sample Points
Side Wall Sample Points
Excavation Perimeter

0 100 200
Feet

eTECH Environmental & Safety Solutions, Inc.

Job No.
1226-12174



Site Map - Merchant Livestock 25 SC 2H
Figure 4: South Confirmation Soil Sample Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.369505°, W 103.426626°
May 2020

Legend

- Bottom Sample Points
- Side Wall Sample Points
- Excavation Perimeter

0 100 200
Feet

eTECH Environmental & Safety Solutions, Inc.

Job No.
1226-12174

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Section A Excavation Confirmation Sample Results													
A BH-1 @ 9'	5/6/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	34.2	29.8	64.0	263
A-1 ESW @ 3.5'	5/6/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	47.3
A-1 WSW @ 3.5'	5/6/2020	<0.00108	<0.00108	<0.00108	0.00480	0.00177	0.00657	0.00657	<26.9	<26.9	<26.9	<26.9	70.1
A-1 NSW @ 3.5'	5/29/2020	<0.00102	<0.00102	0.00118	0.00615	0.00385	0.01000	0.01118	<25.5	<25.5	<25.5	<25.5	**4,570**
A-1 NSW @ 3.5'	6/23/2020	-	-	-	-	-	-	-	-	-	-	-	35.1
A BH-2 @ 9'	5/6/2020	<0.00106	<0.00106	0.00473	0.02541	0.00867	0.03408	0.03881	<26.6	<26.6	<26.6	<26.6	26.8
A-2 ESW @ 3.5'	5/6/2020	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.0	<25.0	<25.0	<25.0	13.9
A-2 WSW @ 3.5'	5/6/2020	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.0	<25.0	<25.0	<25.0	31.9
A BH-3 @ 9'	5/6/2020	<0.00100	<0.00100	<0.00100	0.00312	0.00106	0.00418	0.00418	<25.0	<25.0	<25.0	<25.0	64.3
A-3 ESW @ 5'	5/6/2020	<0.00106	<0.00106	<0.00106	0.00636	0.00211	0.00847	0.00847	<26.6	<26.6	<26.6	<26.6	9.98
A-3 WSW @ 5'	5/6/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	301
A BH-4 @ 10'	5/6/2020	<0.00103	<0.00103	<0.00103	0.00626	0.00209	0.00835	0.00835	<25.8	<25.8	<25.8	<25.8	9.76
A-4 WSW @ 5'	5/6/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	169
A-4 ESW @ 5'	5/6/2020	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<0.00217	<27.2	<27.2	<27.2	<27.2	560
A BH-5 @ 9'	5/6/2020	<0.00103	<0.00103	<0.00103	0.00323	0.00107	0.00430	0.00430	<25.8	<25.8	<25.8	<25.8	7.72
A-5 ESW @ 5'	5/6/2020	<0.00105	<0.00105	<0.00105	0.00335	0.00109	0.00444	0.00444	<26.3	<26.3	<26.3	<26.3	130
A-5 WSW @ 5'	5/6/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	45.3
A BH-6 @ 9'	5/6/2020	<0.00105	<0.00105	0.00105	0.00672	0.00236	0.00908	0.01013	<26.3	<26.3	<26.3	<26.3	74.8
A-6 ESW @ 5'	5/6/2020	<0.00104	<0.00104	<0.00104	0.00214	<0.00104	0.00214	0.00214	<26.0	<26.0	<26.0	<26.0	100
A-6 WSW @ 5'	5/6/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	570
A BH-7 @ 9'	5/6/2020	<0.00104	<0.00104	<0.00104	0.00547	0.00183	0.00730	0.00730	<26.0	<26.0	<26.0	<26.0	220
A-7 ESW @ 5'	5/6/2020	<0.00105	<0.00105	<0.00105	0.00262	<0.00105	0.00262	0.00262	<26.3	<26.3	<26.3	<26.3	112
A-7 WSW @ 5'	5/6/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	35.9
A BH-8 @ 9'	5/6/2020	<0.00102	<0.00102	<0.00102	0.00406	0.00136	0.00542	0.00542	<25.5	<25.5	<25.5	<25.5	26.3
A-8 ESW @ 5'	5/6/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	21.4
A-8 WSW @ 5'	5/6/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	28.9
A BH-9 @ 9'	5/6/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	39.4

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
A-9 ESW @ 5'	5/6/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	191
A-9 WSW @ 5'	5/6/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	127
Section B Excavation Confirmation Sample Results													
B BH-1 @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	504
B-1 WSW @ 2.5'	5/7/2020	<0.00104	<0.00104	<0.00104	0.00268	<0.00104	0.00268	0.00268	<26.0	<26.0	<26.0	<26.0	212
B-1 ESW @ 2.5'	5/7/2020	<0.00105	<0.00105	<0.00105	0.00311	<0.00105	0.00311	0.00311	<26.3	47.7	41.8	89.5	48.2
B-1 NSW @ 2.5'	5/29/2020	<0.00101	<0.00101	0.00240	0.0185	0.00739	0.02589	0.02829	<25.3	<25.3	<25.3	<25.3	**21,000**
B-1 NSW @ 2.5'	6/16/2020	-	-	-	-	-	-	-	-	-	-	-	**1,060**
B-1 NSW @ 2.5'	7/27/2020	-	-	-	-	-	-	-	-	-	-	-	192
B BH-2 @ 10'	5/7/2020	<0.00106	<0.00106	<0.00106	0.00280	<0.00106	0.00280	0.00280	<26.6	50.5	48.6	99.1	474
B-2 WSW @ 5'	5/7/2020	<0.00103	<0.00103	<0.00103	0.00363	0.00109	0.00472	0.00472	<25.8	81.7	<25.8	81.7	28.2
B-2 ESW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	20.7
B BH-3 @ 10'	5/7/2020	<0.00104	<0.00104	<0.00104	0.00459	0.00152	0.00611	0.00611	<26.0	<26.0	<26.0	<26.0	421
B-3 WSW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	231
B-3 ESW @ 5'	5/7/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	33.7
B BH-4 @ 9'	5/7/2020	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<27.5	<27.5	<27.5	<27.5	216
B-4 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	126
B-4 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	65.1
B BH-5 @ 9'	5/7/2020	<0.00102	<0.00102	0.00239	0.0146	0.00454	0.01914	0.02153	<25.5	<25.5	<25.5	<25.5	361
B-5 WSW @ 5'	5/7/2020	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<0.00225	<28.1	<28.1	<28.1	<28.1	400
B-5 ESW @ 5'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	109
B BH-6 @ 11'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	432
B-6 WSW @ 5'	5/7/2020	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<0.00217	<27.2	<27.2	<27.2	<27.2	406
B-6 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	460
B BH-7 @ 9'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	450
B-7 WSW @ 5'	5/7/2020	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<0.00217	<27.2	<27.2	<27.2	<27.2	**721**
B-7 WSW @ 5'	6/3/2020	-	-	-	-	-	-	-	-	-	-	-	**654**
B-7 WSW @ 5'	6/23/2020	-	-	-	-	-	-	-	-	-	-	-	329
B-7 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	193

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
B BH-8 @ 8'	5/7/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	524
B-8 ESW @ 5'	5/7/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	64.1
B-8 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	242
B BH-9 @ 9'	5/7/2020	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.0	<25.0	<25.0	<25.0	172
B-9 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	584
B-9 WSW @ 5'	5/7/2020	<0.00109	<0.00103	<0.00103	0.00272	<0.00103	0.00272	0.00272	<25.8	<25.8	<25.8	<25.8	337
Section C Excavation Confirmation Sample Results													
C BH-1 @ 8'	5/7/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	79.7
C-1 ESW @ 5'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	30.9
C-1 WSW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	114
C BH-2 @ 8'	5/7/2020	<0.00101	<0.00101	0.00283	0.0160	0.00588	0.02188	0.02471	<25.3	<25.3	<25.3	<25.3	187
C-2 WSW @ 5'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	238
C-2 ESW @ 5'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	44.6
C BH-3 @ 8'	5/7/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	41.3
C-3 ESW @ 5'	5/7/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	57.0
C-3 WSW @ 5'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	19.9
C BH-4 @ 8'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	31.1
C-4 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	51.6
C-4 WSW @ 5'	5/7/2020	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.0	<25.0	<25.0	<25.0	12.6
C BH-5 @ 8'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	30.7
C-5 ESW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	24.9
C-5 WSW @ 5'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	18.7
C BH-6 @ 8'	5/7/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	3.98
C-6 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	17.1
C-6 WSW @ 5'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	8.56
C-6 NSW @ 5'	5/29/2020	<0.00100	<0.00100	0.00229	0.0147	0.00529	0.01999	0.02228	<25.0	<25.0	<25.0	<25.0	73.3
C BH-7 @ 8'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	21.6
C-7 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	3.67

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
C-7 WSW @ 5'	5/7/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	35.4
C BH-8 @ 7'	5/7/2020	<0.00101	<0.00101	<0.00101	0.00219	<0.00101	0.00219	0.00219	<25.3	<25.3	<25.3	<25.3	24.9
C-8 ESW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	16.1
C-8 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	44.7
C BH-9 @ 8'	5/7/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	31.9
C-9 ESW @ 5'	5/7/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	3.97
C-9 WSW @ 5'	5/7/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	3.38
C BH-10 @ 8'	5/7/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	4.73
C-10 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	3.43
C-10 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	2.45
C BH-11 @ 7'	5/7/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	4.46
C-11 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	4.95
C-11 WSW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	125
C BH-12 @ 7'	5/7/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	12.7
C-12 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	4.56
C-12 WSW @ 5'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	9.18
C BH-13 @ 8'	5/7/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	12.9
C-13 ESW @ 5'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	2.08
C-13 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	6.22
C BH-14 @ 8'	5/7/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	11.9
C-14 ESW @ 5'	5/7/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	6.33
C-14 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00211	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	139
C BH-15 @ 8'	5/7/2020	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.0	<25.0	<25.0	<25.0	13.9
C-15 ESW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	38.4
C-15 WSW @ 5'	5/7/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	118
C BH-16 @ 7'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	5.28
C-16 ESW @ 5'	5/8/2020	<0.00120	<0.00120	<0.00120	<0.00241	<0.00120	<0.00241	<0.00241	<30.1	<30.1	<30.1	<30.1	6.67

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
C-16 WSW @ 5'	5/8/2020	<0.00116	<0.00116	<0.00116	<0.00233	<0.00116	<0.00233	<0.00233	<29.1	<29.1	<29.1	<29.1	2.81
C BH-17 @ 7'	5/8/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	4.63
C-17 WSW @ 5'	5/8/2020	<0.00125	<0.00125	<0.00125	<0.00250	<0.00125	<0.00250	<0.00250	<31.2	<31.2	<31.2	<31.2	25.4
C-17 ESW @ 5'	5/8/2020	<0.00128	<0.00128	<0.00128	<0.00256	<0.00128	<0.00256	<0.00256	<32.1	<32.1	<32.1	<32.1	25.2
C-17 SSW @ 5'	5/29/2020	<0.00100	<0.00100	0.0187	0.105	0.0472	0.1522	0.1709	<25.0	<25.0	<25.0	<25.0	5.49
C BH-18 @ 7'	5/29/2020	<0.00100	<0.00100	0.00735	0.0455	0.0184	0.0639	0.07125	<25.0	<25.0	<25.0	<25.0	3.38
C-18 ESW @ 5'	5/29/2020	<0.00100	<0.00100	0.0170	0.0966	0.0429	0.1395	0.1565	<25.0	<25.0	<25.0	<25.0	2.65
C-18 SSW @ 5'	5/29/2020	<0.00100	<0.00100	0.0199	0.108	0.0479	0.1559	0.1758	<25.0	<25.0	<25.0	<25.0	5.57
C-18 NSW @ 5'	5/29/2020	0.00790	0.0150	0.00972	0.0544	0.0209	0.0753	0.10792	<25.0	<25.0	<25.0	<25.0	6.24
Section D Excavation Confirmation Sample Results													
D BH-1 @ 7'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	3.92
D-1 ESW @ 5'	5/8/2020	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<27.5	<27.5	<27.5	<27.5	13.6
D-1 WSW @ 5'	5/8/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	9.72
D BH-2 @ 7'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	6.41
D-2 ESW @ 5'	5/8/2020	<0.00115	<0.00115	<0.00115	<0.00230	<0.00115	<0.00230	<0.00230	<28.7	<28.7	<28.7	<28.7	15.9
D-2 WSW @ 5'	5/8/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	13.0
D BH-3 @ 8'	5/8/2020	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<27.5	<27.5	<27.5	<27.5	7.12
D-3 WSW @ 5'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	21.7
D-3 ESW @ 5'	5/8/2020	<0.00127	<0.00127	<0.00127	<0.00253	<0.00127	<0.00253	<0.00253	<31.6	<31.6	<31.6	<31.6	3.59
D BH-4 @ 7'	5/8/2020	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<27.5	<27.5	<27.5	<27.5	3.02
D-4 ESW @ 5'	5/8/2020	<0.00137	<0.00137	<0.00137	<0.00274	<0.00137	<0.00274	<0.00274	<34.2	<34.2	<34.2	<34.2	11.1
D-4 WSW @ 5'	5/8/2020	<0.00139	<0.00139	<0.00139	<0.00278	<0.00139	<0.00278	<0.00278	<34.7	<34.7	<34.7	<34.7	15.1
D BH-5 @ 8'	5/8/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	<25.8	<25.8	<25.8	4.18
D-5 ESW @ 3'	5/8/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	4.98
D-5 WSW @ 3'	5/8/2020	<0.00130	<0.00130	<0.00130	<0.00260	<0.00130	<0.00260	<0.00260	<32.5	<32.5	<32.5	<32.5	19.3
D BH-6 @ 8'	5/8/2020	<0.00115	<0.00115	<0.00115	<0.00230	<0.00115	<0.00230	<0.00230	<28.7	<28.7	<28.7	<28.7	6.38
D-6 ESW @ 3'	5/8/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	16.5
D-6 WSW @ 3'	5/8/2020	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<0.00225	<28.1	85.2	<28.1	85.2	4.00

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
D BH-7 @ 6'	5/8/2020	<0.00112	<0.00112	<0.00112	<0.00225	<0.00112	<0.00225	<0.00225	<28.1	72.7	<28.1	72.7	9.78
D-7 ESW @ 3'	5/8/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	3.13
D-7 WSW @ 3'	5/8/2020	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<27.5	<27.5	<27.5	<27.5	7.99
D BH-8 @ 6'	5/8/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	19.3
D-8 ESW @ 3'	5/8/2020	<0.00109	<0.00109	<0.00109	<0.00217	<0.00109	<0.00217	<0.00217	<27.2	<27.2	<27.2	<27.2	5.92
D-8 WSW @ 3'	5/8/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	3.91
D BH-9 @ 5'	5/8/2020	<0.00110	<0.00110	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<27.5	<27.5	<27.5	<27.5	9.13
D-9 ESW @ 3'	5/8/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	8.20
D-9 WSW @ 3'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	3.45
D BH-10 @ 4'	5/8/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	3.99
D-10 WSW @ 3'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	2.73
D-10 ESW @ 3'	5/8/2020	<0.00104	<0.00104	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<26.0	<26.0	<26.0	<26.0	9.83
D BH-11 @ 7'	5/8/2020	<0.00108	<0.00108	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<26.9	<26.9	<26.9	<26.9	4.84
D-11 ESW @ 3'	5/8/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	4.26
D-11 WSW @ 3'	5/8/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	5.07
D BH-12 @ 5'	5/8/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	4.35
D-12 ESW @ 3'	5/8/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	3.33
D-12 WSW @ 3'	5/8/2020	<0.00106	<0.00106	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<26.6	<26.6	<26.6	<26.6	2.94
D-12 SSW @ 3'	5/29/2020	<0.00101	<0.00101	0.00498	0.0315	0.0118	0.0433	0.04828	<25.3	<25.3	<25.3	<25.3	9.47
Section E Excavation Confirmation Sample Results													
E-1 BH @ 1'	5/29/2020	<0.00100	<0.00100	0.00638	0.0413	0.0175	0.0588	0.06518	<25.0	<25.0	<25.0	<25.0	5.00
E-2 BH @ 1'	5/29/2020	<0.00100	<0.00100	0.00346	0.0216	0.00957	0.03117	0.03463	<25.0	<25.0	<25.0	<25.0	8.33
E-3 BH @ 1'	5/29/2020	<0.00100	<0.00100	0.00202	0.0141	0.00983	0.02393	0.02595	<25.0	<25.0	<25.0	<25.0	48.5
E-4 BH @ 1'	5/29/2020	<0.00101	<0.00101	<0.00101	<0.00202	0.00268	0.00268	0.00268	<25.3	<25.3	<25.3	<25.3	**1,730**
E-4 BH @ 3'	6/22/2020	-	-	-	-	-	-	-	-	-	-	-	145
E-5 BH @ 1'	5/29/2020	<0.00103	<0.00103	0.00138	0.00897	0.00548	0.01445	0.01583	<25.8	<25.8	<25.8	<25.8	**4,980**
E-5 BH @ 4'	6/22/2020	-	-	-	-	-	-	-	-	-	-	-	62.9

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
E-6 BH @ 1'	5/29/2020	<0.00100	<0.00100	0.00383	0.0262	0.0132	0.0394	0.04323	<25.0	<25.0	<25.0	<25.0	512
E-7 BH @ 1'	5/29/2020	<0.00100	<0.00100	0.00344	0.0259	0.0128	0.0387	0.04214	<25.0	<25.0	<25.0	<25.0	9.72
E-8 BH @ 1'	5/29/2020	<0.00102	<0.00102	<0.00102	0.00473	0.00338	0.00811	0.00811	<25.5	<25.5	<25.5	<25.5	17.2
E-9 BH @ 1'	5/29/2020	<0.00100	<0.00500	<0.00500	0.00602	0.00221	0.00823	0.00823	<25.0	<25.0	<25.0	<25.0	317
E NSW-1 @ 2'	5/29/2020	<0.00100	<0.00500	0.00887	0.0570	0.0252	0.0822	0.09107	<25.0	<25.0	<25.0	<25.0	135
E NSW-2 @ 2'	5/29/2020	<0.00104	<0.00521	<0.00521	<0.00521	0.00189	0.00189	0.00189	<26.0	<26.0	<26.0	<26.0	**11,500**
E NSW-2 @ 2'	6/22/2020	-	-	-	-	-	-	-	-	-	-	-	352
E NSW-3 @ 2'	5/29/2020	<0.00101	<0.00505	<0.00505	0.00998	0.00491	0.01489	0.01489	<25.3	<25.3	<25.3	<25.3	26.7

Highlighted Yellow and Bold indicates Analyte Above NMOCD Regulatory Limit

Project Name: *Merchant Livestock 25 SC 2H* ***Photographic Documentation***
Project No: *12174*

Photo No: **1.**	
Direction Taken: Southeast	
Description: View of Section A Excavation Area.	

Photo No: **2.**	
Direction Taken: Southeast	
Description: View of Section B Excavation Area.	

Project Name: *Merchant Livestock 25 SC 2H* ***Photographic Documentation***
Project No: *12174*

Photo No: **3.**	
Direction Taken: South	
Description: View of Section C Excavation Area.	

Photo No: **4.**	
Direction Taken: Southeast	
Description: View of Section D Excavation Area.	

Project Name: *Merchant Livestock 25 SC 2H* ***Photographic Documentation***
Project No: *12174*

Photo No: **5**.	
Direction Taken: East	
Description: View of Section E Excavation Area.	

Photo No: **6**.	
Direction Taken: West	
Description: View of Section E Backfilled Area.	

Project Name: *Merchant Livestock 25 SC 2H* ***Photographic Documentation***
Project No: *12174*

Photo No: **7**.	
Direction Taken: North	
Description: View of Section D Backfilled Area.	

Photo No: **8**.	
Direction Taken: South	
Description: View of Section C Backfilled Area.	

Project Name: *Merchant Livestock 25 SC 2H* ***Photographic Documentation***
Project No: *12174*

Photo No: **9**.	
Direction Taken: West	
Description: View of Section A & B Backfilled Area.	

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Revised Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID_11162019

Location: Lea County, NM

Lab Order Number: 0E12010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A BH-1 @ 9'	0E12010-01	Soil	05/06/20 09:50	05-12-2020 15:28
A-1 ESW @ 3.5'	0E12010-02	Soil	05/06/20 10:00	05-12-2020 15:28
A-1 WSW @ 3.5'	0E12010-03	Soil	05/06/20 10:05	05-12-2020 15:28
A BH-2 @ 9'	0E12010-04	Soil	05/06/20 10:20	05-12-2020 15:28
A-2 ESW @ 3.5'	0E12010-05	Soil	05/06/20 10:30	05-12-2020 15:28
A-2 WSW @ 3.5'	0E12010-06	Soil	05/06/20 10:35	05-12-2020 15:28
A BH-3 @ 9'	0E12010-07	Soil	05/06/20 10:45	05-12-2020 15:28
A-3 ESW @ 5'	0E12010-08	Soil	05/06/20 10:50	05-12-2020 15:28
A-3 WSW @ 5'	0E12010-09	Soil	05/06/20 11:50	05-12-2020 15:28
A BH-4 @ 10'	0E12010-10	Soil	05/06/20 12:00	05-12-2020 15:28
A-4 WSW @ 5'	0E12010-11	Soil	05/06/20 12:10	05-12-2020 15:28
A-4 ESW @ 5'	0E12010-12	Soil	05/06/20 12:20	05-12-2020 15:28
A BH-5 @ 9'	0E12010-13	Soil	05/06/20 12:30	05-12-2020 15:28
A-5 ESW @ 5'	0E12010-14	Soil	05/06/20 12:40	05-12-2020 15:28
A-5 WSW @ 5'	0E12010-15	Soil	05/06/20 12:50	05-12-2020 15:28
A BH-6 @ 9'	0E12010-16	Soil	05/06/20 13:00	05-12-2020 15:28
A-6 ESW @ 5'	0E12010-17	Soil	05/06/20 13:10	05-12-2020 15:28
A-6 WSW @ 5'	0E12010-18	Soil	05/06/20 13:20	05-12-2020 15:28
A BH-7 @ 9'	0E12010-19	Soil	05/06/20 13:30	05-12-2020 15:28
A-7 ESW @ 5'	0E12010-20	Soil	05/06/20 13:40	05-12-2020 15:28
A-7 WSW @ 5'	0E12010-21	Soil	05/06/20 13:50	05-12-2020 15:28
A BH-8 @ 9'	0E12010-22	Soil	05/06/20 14:00	05-12-2020 15:28
A-8 ESW @ 5'	0E12010-23	Soil	05/06/20 14:10	05-12-2020 15:28
A-8 WSW @ 5'	0E12010-24	Soil	05/06/20 14:20	05-12-2020 15:28
A BH-9 @ 9'	0E12010-25	Soil	05/06/20 14:30	05-12-2020 15:28
A-9 ESW @ 5'	0E12010-26	Soil	05/06/20 14:40	05-12-2020 15:28
A-9 WSW @ 5'	0E12010-27	Soil	05/06/20 14:50	05-12-2020 15:28

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 24 SC 2H to Merchant Livestock 25 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

A BH-1 @ 9'

0E12010-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.6 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/14/20 05:08*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.5 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/14/20 05:08*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**263**	1.08	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 22:05	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
>C12-C28	**34.2**	26.9	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
>C28-C35	**29.8**	26.9	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 14:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 14:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**64.0**	26.9	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 14:59	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-1 ESW @ 3.5'

0E12010-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.4 %*		*75-125*	*P0E1301*	*05/13/20 09:17*	*05/13/20 13:48*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.4 %*		*75-125*	*P0E1301*	*05/13/20 09:17*	*05/13/20 13:48*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**47.3**	1.05	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 22:52	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*		*70-130*	*P0E1304*	*05/13/20 11:08*	*05/13/20 15:21*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*		*70-130*	*P0E1304*	*05/13/20 11:08*	*05/13/20 15:21*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 15:21	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-1 WSW @ 3.5'

0E12010-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Xylene (p/m)	**0.00480**	0.00215	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Xylene (o)	**0.00177**	0.00108	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.0 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 14:09*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 14:09*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**70.1**	1.08	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:08	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.8 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 15:43*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 15:43*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 15:43	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

A BH-2 @ 9'

0E12010-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Ethylbenzene	**0.00473**	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Xylene (p/m)	**0.0254**	0.00213	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Xylene (o)	**0.00867**	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 14:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 14:29*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**26.8**	1.06	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:24	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.3 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 16:05*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 16:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 16:05	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
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Project Manager: Matt Green

Fax: (432) 563-2213

A-2 ESW @ 3.5'

0E12010-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 14:50*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 14:50*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.9**	1.00	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:39	EPA 300.0	
% Moisture	ND	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 16:26*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 16:26*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 16:26	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-2 WSW @ 3.5'

0E12010-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 15:51*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 15:51*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**31.9**	1.00	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:55	EPA 300.0	
% Moisture	ND	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 16:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 16:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 16:48	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A BH-3 @ 9'

0E12010-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Xylene (p/m)	**0.00312**	0.00200	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Xylene (o)	**0.00106**	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 16:12*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 16:12*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**64.3**	1.00	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:11	EPA 300.0	
% Moisture	ND	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.3 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 17:54*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 17:54*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 17:54	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

A-3 ESW @ 5'

0E12010-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Xylene (p/m)	**0.00636**	0.00213	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Xylene (o)	**0.00211**	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.9 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 16:32*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.3 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 16:32*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.98**	1.06	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:27	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.0 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 18:15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 18:15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 18:15	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-3 WSW @ 5'

0E12010-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.5 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 16:53*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.3 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 16:53*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**301**	1.04	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:42	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 18:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 18:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 18:37	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A BH-4 @ 10'

0E12010-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Xylene (p/m)	**0.00626**	0.00206	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Xylene (o)	**0.00209**	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 17:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.6 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 17:13*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.76**	1.03	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:58	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.5 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 18:58*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 18:58*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 18:58	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
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Project Manager: Matt Green

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A-4 WSW @ 5'

0E12010-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.6 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 17:34*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 17:34*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**169**	1.01	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 01:46	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 19:20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 19:20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 19:20	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
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Project Manager: Matt Green

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A-4 ESW @ 5'

0E12010-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 17:54*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.7 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 17:54*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**560**	1.09	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:01	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 19:42*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 19:42*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 19:42	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
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Project Manager: Matt Green

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A BH-5 @ 9'

0E12010-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Xylene (p/m)	**0.00323**	0.00206	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Xylene (o)	**0.00107**	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 18:15*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 18:15*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.72**	1.03	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:17	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.3 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 20:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 20:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 20:03	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

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Project Manager: Matt Green

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A-5 ESW @ 5'

0E12010-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Xylene (p/m)	**0.00335**	0.00211	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Xylene (o)	**0.00109**	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.8 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 18:35*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 18:35*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**130**	1.05	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:33	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 20:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 20:25*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 20:25	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

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Project Manager: Matt Green

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A-5 WSW @ 5'

0E12010-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 18:56*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.1 %*	*75-125*		*P0E1301*	*05/13/20 09:17*	*05/13/20 18:56*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**45.3**	1.03	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:49	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 20:47*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 20:47*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 20:47	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

A BH-6 @ 9'

0E12010-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Ethylbenzene	**0.00105**	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Xylene (p/m)	**0.00672**	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Xylene (o)	**0.00236**	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 21:40*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 21:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**74.8**	10.5	mg/kg dry	10	P0E1316	05/13/20 16:19	05/14/20 03:04	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.5 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 21:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P0E1304*	*05/13/20 11:08*	*05/13/20 21:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 21:08	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-6 ESW @ 5'

0E12010-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Xylene (p/m)	**0.00214**	0.00208	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.9 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 22:01*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 22:01*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**100**	1.04	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 03:52	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 01:27*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 01:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 01:27	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-6 WSW @ 5'

0E12010-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.3 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 22:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 22:22*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**570**	1.04	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 04:07	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 01:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 01:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 01:51	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A BH-7 @ 9'

0E12010-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Xylene (p/m)	**0.00547**	0.00208	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Xylene (o)	**0.00183**	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 22:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 22:42*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**220**	10.4	mg/kg dry	10	P0E1316	05/13/20 16:19	05/14/20 04:23	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 02:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 02:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 02:14	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-7 ESW @ 5'

0E12010-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Xylene (p/m)	**0.00262**	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 23:03*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 23:03*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**112**	1.05	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 04:39	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.7 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 02:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 02:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 02:37	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-7 WSW @ 5'

0E12010-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 23:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.1 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 23:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**35.9**	1.06	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 06:14	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 03:01*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 03:01*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 03:01	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

A BH-8 @ 9'

0E12010-22 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Xylene (p/m)	**0.00406**	0.00204	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Xylene (o)	**0.00136**	0.00102	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 23:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.9 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/13/20 23:43*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**26.3**	1.02	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:02	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 03:24*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 03:24*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 03:24	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

A-8 ESW @ 5'

0E12010-23 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 00:03*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.9 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 00:03*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**21.4**	1.05	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 03:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 03:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 03:48	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-8 WSW @ 5'

0E12010-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 00:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.1 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 00:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**28.9**	1.08	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:33	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 04:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 04:11*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 04:11	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A BH-9 @ 9'

0E12010-25 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.8 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 00:44*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 00:44*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**39.4**	1.05	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:49	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 04:34*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 04:34*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 04:34	calc	

E Tech Environmental & Safety Solutions, Inc.
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A-9 ESW @ 5'

0E12010-26 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 01:46*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*93.5 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 01:46*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**191**	1.06	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 08:05	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 04:58*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 04:58*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 04:58	calc	

E Tech Environmental & Safety Solutions, Inc.
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A-9 WSW @ 5'

0E12010-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 02:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.7 %*	*75-125*		*P0E1302*	*05/13/20 11:26*	*05/14/20 02:06*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**127**	1.08	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 08:21	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 06:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P0E1309*	*05/13/20 12:22*	*05/14/20 06:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 06:08	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1301 - General Preparation (GC)										
Blank (P0E1301-BLK1)				Prepared & Analyzed: 05/13/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.5*	*75-125*			
LCS (P0E1301-BS1)				Prepared & Analyzed: 05/13/20						
Benzene	0.108	0.00100	mg/kg wet	0.100		108	70-130			
Toluene	0.104	0.00100	"	0.100		104	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.224	0.00200	"	0.200		112	70-130			
Xylene (o)	0.109	0.00100	"	0.100		109	70-130			
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.6*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.6*	*75-125*			
LCS Dup (P0E1301-BSD1)				Prepared & Analyzed: 05/13/20						
Benzene	0.106	0.00100	mg/kg wet	0.100		106	70-130	1.50	20	
Toluene	0.106	0.00100	"	0.100		106	70-130	1.31	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130	3.27	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	70-130	0.913	20	
Xylene (o)	0.107	0.00100	"	0.100		107	70-130	1.18	20	
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.3*	*75-125*			
Calibration Blank (P0E1301-CCB1)				Prepared & Analyzed: 05/13/20						
Benzene	0.00		mg/kg wet							
Toluene	0.420		"							
Ethylbenzene	0.330		"							
Xylene (p/m)	0.480		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.4*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1301 - General Preparation (GC)										
Calibration Blank (P0E1301-CCB2)				Prepared & Analyzed: 05/13/20						
Benzene	0.00		mg/kg wet							
Toluene	0.940		"							
Ethylbenzene	0.320		"							
Xylene (p/m)	0.670		"							
Xylene (o)	0.330		"							
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.4*	*75-125*			
Calibration Check (P0E1301-CCV1)				Prepared & Analyzed: 05/13/20						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.9*	*75-125*			
Calibration Check (P0E1301-CCV2)				Prepared & Analyzed: 05/13/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Calibration Check (P0E1301-CCV3)				Prepared & Analyzed: 05/13/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1301 - General Preparation (GC)										
Matrix Spike (P0E1301-MS1)		**Source: 0E13001-02**		Prepared & Analyzed: 05/13/20						
Benzene	0.0921	0.00103	mg/kg dry	0.103	ND	89.3	80-120			
Toluene	0.0778	0.00103	"	0.103	ND	75.5	80-120			QM-07
Ethylbenzene	0.0809	0.00103	"	0.103	ND	78.5	80-120			QM-07
Xylene (p/m)	0.139	0.00206	"	0.206	ND	67.6	80-120			QM-07
Xylene (o)	0.0660	0.00103	"	0.103	ND	64.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.118*		"	*0.124*		*95.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.124*		*97.9*	*75-125*			
Matrix Spike Dup (P0E1301-MSD1)		**Source: 0E13001-02**		Prepared & Analyzed: 05/13/20						
Benzene	0.0889	0.00103	mg/kg dry	0.103	ND	86.2	80-120	3.56	20	
Toluene	0.0794	0.00103	"	0.103	ND	77.0	80-120	1.99	20	QM-07
Ethylbenzene	0.0827	0.00103	"	0.103	ND	80.2	80-120	2.14	20	
Xylene (p/m)	0.142	0.00206	"	0.206	ND	68.8	80-120	1.66	20	QM-07
Xylene (o)	0.0662	0.00103	"	0.103	ND	64.2	80-120	0.265	20	QM-07
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.124*		*93.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.124*		*97.7*	*75-125*			
Batch P0E1302 - General Preparation (GC)										
Blank (P0E1302-BLK1)				Prepared & Analyzed: 05/13/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.4*	*75-125*			

E Tech Environmental & Safety Solutions, Inc.
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Project Manager: Matt Green

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1302 - General Preparation (GC)										
LCS (P0E1302-BS1)				Prepared & Analyzed: 05/13/20						
Benzene	0.106	0.00100	mg/kg wet	0.100		106	70-130			
Toluene	0.102	0.00100	"	0.100		102	70-130			
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130			
Xylene (p/m)	0.209	0.00200	"	0.200		105	70-130			
Xylene (o)	0.108	0.00100	"	0.100		108	70-130			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*92.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.6*	*75-125*			
LCS Dup (P0E1302-BSD1)				Prepared & Analyzed: 05/13/20						
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	2.12	20	
Toluene	0.102	0.00100	"	0.100		102	70-130	0.0196	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	1.28	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130	0.315	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	0.795	20	
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.7*	*75-125*			
Calibration Blank (P0E1302-CCB1)				Prepared & Analyzed: 05/13/20						
Benzene	0.00		mg/kg wet							
Toluene	0.880		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	0.780		"							
Xylene (o)	0.370		"							
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.5*	*75-125*			
Calibration Blank (P0E1302-CCB2)				Prepared: 05/13/20 Analyzed: 05/14/20						
Benzene	0.00		mg/kg wet							
Toluene	0.810		"							
Ethylbenzene	0.300		"							
Xylene (p/m)	0.700		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*92.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.8*	*75-125*			

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1302 - General Preparation (GC)										
Calibration Check (P0E1302-CCV1)				Prepared & Analyzed: 05/13/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*75-125*			
Calibration Check (P0E1302-CCV2)				Prepared: 05/13/20 Analyzed: 05/14/20						
Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100		98.8	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*75-125*			
Calibration Check (P0E1302-CCV3)				Prepared: 05/13/20 Analyzed: 05/14/20						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*75-125*			
Matrix Spike (P0E1302-MS1)	**Source: 0E12010-16**			Prepared: 05/13/20 Analyzed: 05/14/20						
Benzene	0.0732	0.00105	mg/kg dry	0.105	ND	69.5	80-120			QM-07
Toluene	0.0687	0.00105	"	0.105	ND	65.2	80-120			QM-07
Ethylbenzene	0.0830	0.00105	"	0.105	0.00105	77.8	80-120			QM-07
Xylene (p/m)	0.148	0.00211	"	0.211	0.00672	67.1	80-120			QM-07
Xylene (o)	0.0716	0.00105	"	0.105	0.00236	65.8	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.126*		*99.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.126*		*98.5*	*75-125*			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1302 - General Preparation (GC)										
Matrix Spike Dup (P0E1302-MSD1)	**Source: 0E12010-16**			Prepared: 05/13/20 Analyzed: 05/14/20						
Benzene	0.0718	0.00105	mg/kg dry	0.105	ND	68.2	80-120	1.83	20	QM-07
Toluene	0.0698	0.00105	"	0.105	ND	66.3	80-120	1.57	20	QM-07
Ethylbenzene	0.0842	0.00105	"	0.105	0.00105	79.0	80-120	1.53	20	QM-07
Xylene (p/m)	0.148	0.00211	"	0.211	0.00672	66.9	80-120	0.261	20	QM-07
Xylene (o)	0.0709	0.00105	"	0.105	0.00236	65.1	80-120	0.963	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.126*		*98.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.126*		*98.6*	*75-125*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1316 - * DEFAULT PREP *** **										
Blank (P0E1316-BLK1)				Prepared & Analyzed: 05/13/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1316-BS1)				Prepared & Analyzed: 05/13/20						
Chloride	403	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0E1316-BSD1)				Prepared & Analyzed: 05/13/20						
Chloride	407	1.00	mg/kg wet	400		102	80-120	1.04	20	
Calibration Blank (P0E1316-CCB1)				Prepared & Analyzed: 05/13/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0E1316-CCB2)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0E1316-CCV1)				Prepared & Analyzed: 05/13/20						
Chloride	20.6		mg/kg	20.0		103	0-200			
Calibration Check (P0E1316-CCV2)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P0E1316-CCV3)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	20.6		mg/kg	20.0		103	0-200			
Matrix Spike (P0E1316-MS1)		**Source: 0E12010-01**		Prepared & Analyzed: 05/13/20						
Chloride	1320	1.08	mg/kg dry	538	263	197	80-120			QM-05
Matrix Spike (P0E1316-MS2)		**Source: 0E12010-16**		Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	1110	10.5	mg/kg dry	1050	74.8	98.1	80-120			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1316 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0E1316-MSD1)	**Source: 0E12010-01**			Prepared & Analyzed: 05/13/20						
Chloride	776	1.08	mg/kg dry	538	263	95.5	80-120	52.1	20	QM-05
Matrix Spike Dup (P0E1316-MSD2)	**Source: 0E12010-16**			Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	1120	10.5	mg/kg dry	1050	74.8	99.0	80-120	0.871	20	
Batch P0E1317 - * DEFAULT PREP *** **										
Blank (P0E1317-BLK1)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1317-BS1)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	405	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0E1317-BSD1)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	404	1.00	mg/kg wet	400		101	80-120	0.124	20	
Calibration Blank (P0E1317-CCB1)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0E1317-CCB2)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0E1317-CCV1)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	20.6		mg/kg	20.0		103	0-200			
Calibration Check (P0E1317-CCV2)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	20.7		mg/kg	20.0		103	0-200			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1317 - * DEFAULT PREP *** **										
Calibration Check (P0E1317-CCV3)				Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	20.3		mg/kg	20.0		102	0-200			
Matrix Spike (P0E1317-MS1)		Source: 0E12010-21		Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	551	1.06	mg/kg dry	532	35.9	96.8	80-120			
Matrix Spike (P0E1317-MS2)		Source: 0E12012-04		Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	1560	10.6	mg/kg dry	1060	474	102	80-120			
Matrix Spike Dup (P0E1317-MSD1)		Source: 0E12010-21		Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	551	1.06	mg/kg dry	532	35.9	96.9	80-120	0.0695	20	
Matrix Spike Dup (P0E1317-MSD2)		Source: 0E12012-04		Prepared: 05/13/20 Analyzed: 05/14/20						
Chloride	1510	10.6	mg/kg dry	1060	474	97.1	80-120	3.51	20	
Batch P0E1402 - * DEFAULT PREP *** **										
Blank (P0E1402-BLK1)				Prepared & Analyzed: 05/14/20						
% Moisture	ND	0.1	%							
Duplicate (P0E1402-DUP1)		Source: 0E12010-19		Prepared & Analyzed: 05/14/20						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Batch P0E1405 - * DEFAULT PREP *** **										
Blank (P0E1405-BLK1)				Prepared & Analyzed: 05/14/20						
% Moisture	ND	0.1	%							

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1405 - * DEFAULT PREP *** **										
Duplicate (P0E1405-DUP1)		**Source: 0E12012-19**		Prepared & Analyzed: 05/14/20						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0E1405-DUP2)		**Source: 0E12014-09**		Prepared & Analyzed: 05/14/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0E1405-DUP3)		**Source: 0E12014-36**		Prepared & Analyzed: 05/14/20						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0E1405-DUP4)		**Source: 0E12015-25**		Prepared & Analyzed: 05/14/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0E1405-DUP5)		**Source: 0E13004-13**		Prepared & Analyzed: 05/14/20						
% Moisture	5.0	0.1	%		3.0			50.0	20	
Duplicate (P0E1405-DUP6)		**Source: 0E13003-17**		Prepared & Analyzed: 05/14/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0E1405-DUP7)		**Source: 0E13003-20**		Prepared & Analyzed: 05/14/20						
% Moisture	5.0	0.1	%		5.0			0.00	20	

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1304 - TX 1005										
Blank (P0E1304-BLK1)				Prepared & Analyzed: 05/13/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*99.0*		*"*	*100*		*99.0*	*70-130*			
Surrogate: o-Terphenyl	*52.0*		*"*	*50.0*		*104*	*70-130*			
LCS (P0E1304-BS1)				Prepared & Analyzed: 05/13/20						
C6-C12	1180	25.0	mg/kg wet	1000		118	75-125			
>C12-C28	1210	25.0	"	1000		121	75-125			
Surrogate: 1-Chlorooctane	*97.7*		*"*	*100*		*97.7*	*70-130*			
Surrogate: o-Terphenyl	*53.3*		*"*	*50.0*		*107*	*70-130*			
LCS Dup (P0E1304-BSD1)				Prepared & Analyzed: 05/13/20						
C6-C12	1120	25.0	mg/kg wet	1000		112	75-125	5.73	20	
>C12-C28	1210	25.0	"	1000		121	75-125	0.127	20	
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*54.0*		*"*	*50.0*		*108*	*70-130*			
Calibration Blank (P0E1304-CCB1)				Prepared & Analyzed: 05/13/20						
C6-C12	9.49		mg/kg wet							
>C12-C28	11.4		"							
Surrogate: 1-Chlorooctane	*104*		*"*	*100*		*104*	*70-130*			
Surrogate: o-Terphenyl	*55.2*		*"*	*50.0*		*110*	*70-130*			
Calibration Blank (P0E1304-CCB2)				Prepared & Analyzed: 05/13/20						
C6-C12	9.71		mg/kg wet							
>C12-C28	15.8		"							
Surrogate: 1-Chlorooctane	*89.7*		*"*	*100*		*89.7*	*70-130*			
Surrogate: o-Terphenyl	*47.0*		*"*	*50.0*		*94.1*	*70-130*			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1304 - TX 1005										
Calibration Check (P0E1304-CCV1)				Prepared & Analyzed: 05/13/20						
C6-C12	498	25.0	mg/kg wet	500		99.6	85-115			
>C12-C28	532	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*54.7*		*"*	*50.0*		*109*	*70-130*			
Calibration Check (P0E1304-CCV2)				Prepared & Analyzed: 05/13/20						
C6-C12	515	25.0	mg/kg wet	500		103	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.6*	*70-130*			
Batch P0E1309 - TX 1005										
Blank (P0E1309-BLK1)				Prepared: 05/13/20 Analyzed: 05/14/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*55.4*		*"*	*50.0*		*111*	*70-130*			
LCS (P0E1309-BS1)				Prepared: 05/13/20 Analyzed: 05/14/20						
C6-C12	1100	25.0	mg/kg wet	1000		110	75-125			
>C12-C28	1100	25.0	"	1000		110	75-125			
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*58.7*		*"*	*50.0*		*117*	*70-130*			
LCS Dup (P0E1309-BSD1)				Prepared: 05/13/20 Analyzed: 05/14/20						
C6-C12	1080	25.0	mg/kg wet	1000		108	75-125	1.83	20	
>C12-C28	1110	25.0	"	1000		111	75-125	0.864	20	
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*58.0*		*"*	*50.0*		*116*	*70-130*			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1309 - TX 1005										
Calibration Blank (P0E1309-CCB1)				Prepared & Analyzed: 05/13/20						
C6-C12	17.4		mg/kg wet							
>C12-C28	12.7		"							
Surrogate: 1-Chlorooctane	*112*		*"*	*100*		*112*	*70-130*			
Surrogate: o-Terphenyl	*59.2*		*"*	*50.0*		*118*	*70-130*			
Calibration Blank (P0E1309-CCB2)				Prepared: 05/13/20 Analyzed: 05/14/20						
C6-C12	18.1		mg/kg wet							
>C12-C28	24.7		"							
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*57.9*		*"*	*50.0*		*116*	*70-130*			
Calibration Check (P0E1309-CCV1)				Prepared & Analyzed: 05/13/20						
C6-C12	550	25.0	mg/kg wet	500		110	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*56.8*		*"*	*50.0*		*114*	*70-130*			
Calibration Check (P0E1309-CCV2)				Prepared: 05/13/20 Analyzed: 05/14/20						
C6-C12	520	25.0	mg/kg wet	500		104	85-115			
>C12-C28	572	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	*113*		*"*	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*57.5*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P0E1309-CCV3)				Prepared: 05/13/20 Analyzed: 05/14/20						
C6-C12	552	25.0	mg/kg wet	500		110	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*58.3*		*"*	*50.0*		*117*	*70-130*			

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Odessa TX, 79765	Project Manager: Matt Green	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1309 - TX 1005										
Duplicate (P0E1309-DUP1)	**Source: 0E12012-09**		Prepared: 05/13/20 Analyzed: 05/14/20							
C6-C12	18.9	26.6	mg/kg dry		18.3			3.26	20	
>C12-C28	25.7	26.6	"		ND				20	
Surrogate: 1-Chlorooctane	*111*		*"*	*106*		*105*	*70-130*			
Surrogate: o-Terphenyl	*68.3*		*"*	*53.2*		*128*	*70-130*			

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Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/1/2020

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
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Odessa TX, 79765	Project Manager: Matt Green	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature:
e-mail: Matt@etechenv.com, rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 9E12010

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TOTAL: TPH: 418.1 8015M	TPH: TX 1005 Ext	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8280	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	A BH-1 @ 9'			5/6/2020	950		1	x								S	X									X			X				X
2	A-1 ESW @ 3.5'			5/6/2020	1000		1	x								S	X									X			X				X
3	A-1 WSW @ 3.5'			5/6/2020	1005		1	x								S	X									X			X				X
4	A BH-2 @ 9'			5/6/2020	1020		1	x								S	X									X			X				X
5	A-2 ESW @ 3.5'			5/6/2020	1030		1	x								S	X									X			X				X
6	A-2 WSW @ 3.5'			5/6/2020	1035		1	x								S	X									X			X				X
7	A BH-3 @ 9'			5/6/2020	1045		1	x								S	X									X			X				X
8	A-3 ESW @ 5'			5/6/2020	1050		1	x								S	X									X			X				X
9	A-3 WSW @ 5'			5/6/2020	1150		1	x								S	X									X			X				X
10	A BH-4 @ 10'			5/6/2020	1200		1	x								S	X									X			X				X

Special Instructions:
Bill to Centennial Resource

	Date	Time		Date	Time
Relinquished by:			Received by:		
Relinquished by:	5-12	7:30	Received by:		
Relinquished by:			Received by PBEL:	5/8/20	3:28

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep.?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: Received: 2.3 Adjusted: 2.1 °C Factor: L2

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

2

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763
Fax No:
Sampler Signature:
e-mail: Matt@etechenv.com
rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 8015M	TOTAL: TPH: 418.1	TPH: 8015B	TPH: TX 1005 Ext	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	A-4 WSW @ 5'			5/6/2020	1210		1	x								S	X										X			X				X
12	A-4 ESW @ 5'			5/6/2020	1220		1	x								S	X										X			X				X
13	A BH-5 @ 9'			5/6/2020	1230		1	x								S	X										X			X				X
14	A-5 ESW @ 5'			5/6/2020	1240		1	x								S	X										X			X				X
15	A-5 WSW @ 5'			5/6/2020	1250		1	x								S	X										X			X				X
16	A BH-6 @ 9'			5/6/2020	1300		1	x								S	X										X			X				X
17	A-6 ESW @ 5'			5/6/2020	1310		1	x								S	X										X			X				X
18	A-6 WSW @ 5'			5/6/2020	1320		1	x								S	X										X			X				X
19	A BH-7 @ 9'			5/6/2020	1330		1	x								S	X										X			X				X

Special Instructions:
Bill to Centennial Resource

	Date	Time		Date	Time
Relinquished by:			Received by:		
Relinquished by:	5/12	7370	Received by:		
Relinquished by:			Received by PBEL:	5.12.20	8:28

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep.?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received 2.3+.5 °C
Adjusted 2.0 °C Factor -0.2

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

3

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature:

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: ☒ Standard ☐ TRRP ☐ NPDES
e-mail: Matt@etechenv.com
rebecca@etechenv.com

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	TPH: TX 1005 Ext	TX 1008	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	8015B	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
20	A-7 ESW @ 5'			5/6/2020	1340		1	x								S	X									X				X					X
21	A-7 WSW @ 5'			5/6/2020	1350		1	x								S	X									X				X					X
22	A BH-8 @ 9'			5/6/2020	1400		1	x								S	X									X				X					X
23	A-8 ESW @ 5'			5/6/2020	1410		1	x								S	X									X				X					X
24	A-8 WSW @ 5'			5/6/2020	1420		1	x								S	X									X				X					X
25	A BH-9 @ 9'			5/6/2020	1430		1	x								S	X									X				X					X
26	A-9 ESW @ 5'			5/6/2020	1440		1	x								S	X									X				X					X
27	A-9 WSW @ 5'			5/6/2020	1450		1	x								S	X									X				X					X

Special Instructions:
Bill to Centennial Resource

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date 5-12	Time 7:30	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date 5.12.20	Time 820

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep.?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received 0.1 2.3 +0.3
Adjusted 0.1 C Factor LL

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Revised Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID_11162019

Location: Lea County, NM

Lab Order Number: 0F01002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D-12 SSW-12 @ 3'	0F01002-01	Soil	05/29/20 07:50	06-01-2020 12:12
C-17 SSW @ 5'	0F01002-02	Soil	05/29/20 08:10	06-01-2020 12:12
C-6 NSW @ 5'	0F01002-03	Soil	05/29/20 08:13	06-01-2020 12:12
C BH-18 @ 7'	0F01002-04	Soil	05/29/20 08:21	06-01-2020 12:12
C-18 ESW @ 5'	0F01002-05	Soil	05/29/20 08:22	06-01-2020 12:12
C-18 SSW @ 5'	0F01002-06	Soil	05/29/20 08:23	06-01-2020 12:12
C-18 NSW @ 5'	0F01002-07	Soil	05/29/20 08:24	06-01-2020 12:12
A-1 NSW @ 3.5'	0F01002-08	Soil	05/29/20 08:34	06-01-2020 12:12
B-1 NSW @ 2.5'	0F01002-09	Soil	05/29/20 08:36	06-01-2020 12:12
E-1 BH @ 1'	0F01002-10	Soil	05/29/20 09:10	06-01-2020 12:12
E-2 BH @ 1'	0F01002-11	Soil	05/29/20 09:11	06-01-2020 12:12
E-3 BH @ 1'	0F01002-12	Soil	05/29/20 09:12	06-01-2020 12:12
E-4 BH @ 1'	0F01002-13	Soil	05/29/20 09:13	06-01-2020 12:12
E-5 BH @ 1'	0F01002-14	Soil	05/29/20 09:14	06-01-2020 12:12
E-6 BH @ 1'	0F01002-15	Soil	05/29/20 09:15	06-01-2020 12:12
E-7 BH @ 1'	0F01002-16	Soil	05/29/20 09:16	06-01-2020 12:12
E-8 BH @ 1'	0F01002-17	Soil	05/29/20 09:17	06-01-2020 12:12
E-9 BH @ 1'	0F01002-18	Soil	05/29/20 09:18	06-01-2020 12:12
E NSW-1 BH @ 2'	0F01002-19	Soil	05/29/20 09:20	06-01-2020 12:12
E NSW-2 BH @ 2'	0F01002-20	Soil	05/29/20 09:21	06-01-2020 12:12
E NSW-3 BH @ 2'	0F01002-21	Soil	05/29/20 09:23	06-01-2020 12:12

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 24 SC 2H to Merchant Livestock 25 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

D-12 SSW-12 @ 3'

0F01002-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Ethylbenzene	**0.00498**	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Xylene (p/m)	**0.0315**	0.00202	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Xylene (o)	**0.0118**	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/02/20 23:04*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.9 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/02/20 23:04*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.47**	1.01	mg/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 14:29	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
Surrogate: 1-Chlorooctane		*83.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 17:04*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 17:04*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 17:04	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

C-17 SSW @ 5'

0F01002-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Ethylbenzene	**0.0187**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Xylene (p/m)	**0.105**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Xylene (o)	**0.0472**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.7 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/02/20 23:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/02/20 23:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.49**	1.00	mg/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 14:45	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 17:27*	*TPH 8015M*	
Surrogate: o-Terphenyl		*89.9 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 17:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 17:27	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

C-6 NSW @ 5'

0F01002-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Ethylbenzene	**0.00229**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Xylene (p/m)	**0.0147**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Xylene (o)	**0.00529**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/02/20 23:45*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/02/20 23:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**73.3**	1.00	mg/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 15:01	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
Surrogate: 1-Chlorooctane		*77.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 17:50*	*TPH 8015M*	
Surrogate: o-Terphenyl		*79.1 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 17:50*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 17:50	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

C BH-18 @ 7'

0F01002-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Ethylbenzene	**0.00735**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Xylene (p/m)	**0.0455**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Xylene (o)	**0.0184**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 00:05*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 00:05*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.38**	1.00	mg/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 15:17	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
Surrogate: 1-Chlorooctane		*71.5 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 18:12*	*TPH 8015M*	
Surrogate: o-Terphenyl		*84.0 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 18:12*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 18:12	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

C-18 ESW @ 5'

0F01002-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Ethylbenzene	**0.0170**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Xylene (p/m)	**0.0966**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Xylene (o)	**0.0429**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 00:26*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 00:26*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.65**	1.00	mg/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 15:32	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 18:35*	*TPH 8015M*	
Surrogate: o-Terphenyl		*86.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 18:35*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 18:35	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

C-18 SSW @ 5'

0F01002-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Ethylbenzene	**0.0199**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Xylene (p/m)	**0.108**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Xylene (o)	**0.0479**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 00:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 00:46*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.57**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 17:07	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
Surrogate: 1-Chlorooctane		*83.2 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 18:58*	*TPH 8015M*	
Surrogate: o-Terphenyl		*85.5 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 18:58*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 18:58	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

C-18 NSW @ 5'

0F01002-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00790**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Toluene	**0.0150**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Ethylbenzene	**0.00972**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Xylene (p/m)	**0.0544**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Xylene (o)	**0.0209**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 10:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 10:21*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.24**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 17:23	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.3 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 19:21*	*TPH 8015M*	
Surrogate: o-Terphenyl		*78.7 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 19:21*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 19:21	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

A-1 NSW @ 3.5'

0F01002-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Ethylbenzene	**0.00118**	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Xylene (p/m)	**0.00615**	0.00204	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Xylene (o)	**0.00385**	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 11:23*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 11:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4570**	5.10	mg/kg dry	5	P0F0513	06/05/20 15:58	06/08/20 17:39	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 20:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 20:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 20:29	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

B-1 NSW @ 2.5'

0F01002-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Ethylbenzene	**0.00240**	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Xylene (p/m)	**0.0185**	0.00202	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Xylene (o)	**0.00739**	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*102 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 11:43*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 11:43*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**21000**	25.3	mg/kg dry	25	P0F0513	06/05/20 15:58	06/08/20 18:26	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.1 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 20:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 20:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 20:51	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-1 BH @ 1'

0F01002-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Ethylbenzene	**0.00638**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Xylene (p/m)	**0.0413**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Xylene (o)	**0.0175**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 12:03*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 12:03*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.00**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 18:42	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.5 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 21:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 21:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 21:14	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-2 BH @ 1'

0F01002-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Ethylbenzene	**0.00346**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Xylene (p/m)	**0.0216**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Xylene (o)	**0.00957**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 12:24*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 12:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.33**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 18:58	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.8 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 21:36*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 21:36*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 21:36	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-3 BH @ 1'

0F01002-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Ethylbenzene	**0.00202**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Xylene (p/m)	**0.0141**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Xylene (o)	**0.00983**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 12:44*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 12:44*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**48.5**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 19:14	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.0 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 21:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 21:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 21:59	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-4 BH @ 1'

0F01002-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Xylene (o)	**0.00268**	0.00101	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 13:04*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 13:04*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1730**	1.01	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 19:30	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.4 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 22:21*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 22:21*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 22:21	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-5 BH @ 1'

0F01002-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Ethylbenzene	**0.00138**	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Xylene (p/m)	**0.00897**	0.00206	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Xylene (o)	**0.00548**	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 13:25*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 13:25*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4980**	10.3	mg/kg dry	10	P0F0513	06/05/20 15:58	06/08/20 19:46	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.0 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 22:44*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 22:44*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 22:44	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-6 BH @ 1'

0F01002-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Ethylbenzene	**0.00383**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Xylene (p/m)	**0.0262**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Xylene (o)	**0.0132**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.7 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 13:46*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 13:46*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**512**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 20:01	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.5 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 23:06*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 23:06*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 23:06	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-7 BH @ 1'

0F01002-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Ethylbenzene	**0.00344**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Xylene (p/m)	**0.0259**	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Xylene (o)	**0.0128**	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.1 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 14:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 14:06*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.72**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 20:49	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.5 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 23:28*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 23:28*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 23:28	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

E-8 BH @ 1'

0F01002-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Xylene (p/m)	**0.00473**	0.00204	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Xylene (o)	**0.00338**	0.00102	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 14:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*75-125*		*P0F0204*	*06/02/20 09:16*	*06/03/20 14:26*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**17.2**	1.02	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 21:05	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 23:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P0F0109*	*06/01/20 16:09*	*06/04/20 23:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 23:51	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E-9 BH @ 1'

0F01002-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Toluene	ND	0.00500	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Ethylbenzene	ND	0.00500	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Xylene (p/m)	**0.00602**	0.00500	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Xylene (o)	**0.00221**	0.00100	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 18:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 18:27*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**317**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 21:20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.0 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 02:27*	*TPH 8015M*	
Surrogate: o-Terphenyl		*115 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 02:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 02:27	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E NSW-1 BH @ 2'

0F01002-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Toluene	ND	0.00500	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Ethylbenzene	**0.00887**	0.00500	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Xylene (p/m)	**0.0570**	0.00500	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Xylene (o)	**0.0252**	0.00100	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 18:47*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.3 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 18:47*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**135**	1.00	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 21:36	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.4 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 02:49*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 02:49*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 02:49	calc	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

E NSW-2 BH @ 2'

0F01002-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Toluene	ND	0.00521	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Ethylbenzene	ND	0.00521	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Xylene (p/m)	ND	0.00521	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Xylene (o)	**0.00189**	0.00104	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*103 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 19:08*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 19:08*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11500**	26.0	mg/kg dry	25	P0F0513	06/05/20 15:58	06/08/20 21:52	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.0 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 03:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 03:11*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 03:11	calc	

E Tech Environmental & Safety Solutions, Inc.
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E NSW-3 BH @ 2'

0F01002-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Toluene	ND	0.00505	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Ethylbenzene	ND	0.00505	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Xylene (p/m)	**0.00998**	0.00505	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Xylene (o)	**0.00491**	0.00101	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 19:28*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		*P0F0308*	*06/03/20 15:19*	*06/03/20 19:28*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**26.7**	1.01	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 22:39	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 03:34*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P0F0208*	*06/02/20 13:24*	*06/05/20 03:34*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 03:34	calc	

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0204 - General Preparation (GC)										
Blank (P0F0204-BLK1)				Prepared & Analyzed: 06/02/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.4*	*75-125*			
LCS (P0F0204-BS1)				Prepared & Analyzed: 06/02/20						
Benzene	0.0994	0.00100	mg/kg wet	0.100		99.4	70-130			
Toluene	0.0906	0.00100	"	0.100		90.6	70-130			
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	70-130			
Xylene (o)	0.102	0.00100	"	0.100		102	70-130			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.5*	*75-125*			
LCS Dup (P0F0204-BSD1)				Prepared & Analyzed: 06/02/20						
Benzene	0.0922	0.00100	mg/kg wet	0.100		92.2	70-130	7.47	20	
Toluene	0.0875	0.00100	"	0.100		87.5	70-130	3.48	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	2.60	20	
Xylene (p/m)	0.188	0.00200	"	0.200		93.9	70-130	3.84	20	
Xylene (o)	0.0962	0.00100	"	0.100		96.2	70-130	5.77	20	
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*95.6*	*75-125*			
Calibration Blank (P0F0204-CCB1)				Prepared & Analyzed: 06/02/20						
Benzene	0.00		mg/kg wet							
Toluene	0.700		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.330		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.2*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0204 - General Preparation (GC)										
Calibration Blank (P0F0204-CCB2)				Prepared: 06/02/20 Analyzed: 06/03/20						
Benzene	0.00		mg/kg wet							
Toluene	0.690		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.4*	*75-125*			
Calibration Check (P0F0204-CCV1)				Prepared & Analyzed: 06/02/20						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0944	0.00100	"	0.100		94.4	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.3	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Calibration Check (P0F0204-CCV2)				Prepared: 06/02/20 Analyzed: 06/03/20						
Benzene	0.0965	0.00100	mg/kg wet	0.100		96.5	80-120			
Toluene	0.0947	0.00100	"	0.100		94.7	80-120			
Ethylbenzene	0.0954	0.00100	"	0.100		95.4	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.1	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*75-125*			
Calibration Check (P0F0204-CCV3)				Prepared: 06/02/20 Analyzed: 06/03/20						
Benzene	0.0910	0.00100	mg/kg wet	0.100		91.0	80-120			
Toluene	0.0872	0.00100	"	0.100		87.2	80-120			
Ethylbenzene	0.0871	0.00100	"	0.100		87.1	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.0	80-120			
Xylene (o)	0.0954	0.00100	"	0.100		95.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0204 - General Preparation (GC)										
Matrix Spike (P0F0204-MS1)	**Source: 0E29004-28**			Prepared: 06/02/20 Analyzed: 06/03/20						
Benzene	0.0851	0.00101	mg/kg dry	0.101	ND	84.2	80-120			
Toluene	0.0855	0.00101	"	0.101	ND	84.6	80-120			
Ethylbenzene	0.0947	0.00101	"	0.101	ND	93.7	80-120			
Xylene (p/m)	0.168	0.00202	"	0.202	ND	83.3	80-120			
Xylene (o)	0.0854	0.00101	"	0.101	ND	84.5	80-120			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.121*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.121*		*101*	*75-125*			
Matrix Spike Dup (P0F0204-MSD1)	**Source: 0E29004-28**			Prepared: 06/02/20 Analyzed: 06/03/20						
Benzene	0.0826	0.00101	mg/kg dry	0.101	ND	81.8	80-120	2.91	20	
Toluene	0.0842	0.00101	"	0.101	ND	83.3	80-120	1.60	20	
Ethylbenzene	0.0917	0.00101	"	0.101	ND	90.8	80-120	3.21	20	
Xylene (p/m)	0.162	0.00202	"	0.202	ND	80.4	80-120	3.54	20	
Xylene (o)	0.0819	0.00101	"	0.101	ND	81.1	80-120	4.16	20	
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.121*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.121*		*100*	*75-125*			
Batch P0F0308 - General Preparation (GC)										
Blank (P0F0308-BLK1)				Prepared & Analyzed: 06/03/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00500	"							
Ethylbenzene	ND	0.00500	"							
Xylene (p/m)	ND	0.00500	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0308 - General Preparation (GC)										
LCS (P0F0308-BS1)				Prepared & Analyzed: 06/03/20						
Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	70-130			
Toluene	0.0920	0.00500	"	0.100		92.0	70-130			
Ethylbenzene	0.104	0.00500	"	0.100		104	70-130			
Xylene (p/m)	0.202	0.00500	"	0.200		101	70-130			
Xylene (o)	0.103	0.00100	"	0.100		103	70-130			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*75-125*			
LCS Dup (P0F0308-BSD1)				Prepared & Analyzed: 06/03/20						
Benzene	0.0972	0.00100	mg/kg wet	0.100		97.2	70-130	3.93	20	
Toluene	0.0971	0.00500	"	0.100		97.1	70-130	5.39	20	
Ethylbenzene	0.104	0.00500	"	0.100		104	70-130	0.355	20	
Xylene (p/m)	0.208	0.00500	"	0.200		104	70-130	3.27	20	
Xylene (o)	0.106	0.00100	"	0.100		106	70-130	3.63	20	
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*97.9*	*75-125*			
Calibration Blank (P0F0308-CCB1)				Prepared & Analyzed: 06/03/20						
Benzene	0.00		mg/kg wet							
Toluene	0.720		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.370		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*75-125*			
Calibration Blank (P0F0308-CCB2)				Prepared & Analyzed: 06/03/20						
Benzene	0.00		mg/kg wet							
Toluene	0.500		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.540		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.9*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0308 - General Preparation (GC)										
Calibration Blank (P0F0308-CCB3)				Prepared: 06/03/20 Analyzed: 06/04/20						
Benzene	0.420		mg/kg wet							
Toluene	4.92		"							
Ethylbenzene	1.36		"							
Xylene (p/m)	3.58		"							
Xylene (o)	0.920		"							
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*75-125*			
Calibration Check (P0F0308-CCV1)				Prepared & Analyzed: 06/03/20						
Benzene	0.0958	0.00100	mg/kg wet	0.100		95.8	80-120			
Toluene	0.0935	0.00500	"	0.100		93.5	80-120			
Ethylbenzene	0.0972	0.00500	"	0.100		97.2	80-120			
Xylene (p/m)	0.199	0.00500	"	0.200		99.6	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			
Calibration Check (P0F0308-CCV2)				Prepared & Analyzed: 06/03/20						
Benzene	0.0994	0.00100	mg/kg wet	0.100		99.4	80-120			
Toluene	0.0918	0.00500	"	0.100		91.8	80-120			
Ethylbenzene	0.0937	0.00500	"	0.100		93.7	80-120			
Xylene (p/m)	0.191	0.00500	"	0.200		95.7	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*75-125*			
Calibration Check (P0F0308-CCV3)				Prepared: 06/03/20 Analyzed: 06/04/20						
Benzene	0.0958	0.00100	mg/kg wet	0.100		95.8	80-120			
Toluene	0.0998	0.00500	"	0.100		99.8	80-120			
Ethylbenzene	0.0968	0.00500	"	0.100		96.8	80-120			
Xylene (p/m)	0.192	0.00500	"	0.200		96.0	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.5*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0308 - General Preparation (GC)										
Matrix Spike (P0F0308-MS1)	**Source: 0F01002-18**			Prepared: 06/03/20 Analyzed: 06/04/20						
Benzene	0.0736	0.00100	mg/kg dry	0.100	ND	73.6	80-120			QM-07
Toluene	0.0836	0.00500	"	0.100	0.000640	82.9	80-120			
Ethylbenzene	0.0847	0.00500	"	0.100	0.000910	83.8	80-120			
Xylene (p/m)	0.151	0.00500	"	0.200	0.00602	72.4	80-120			QM-07
Xylene (o)	0.0773	0.00100	"	0.100	0.00221	75.1	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*75-125*			
Matrix Spike Dup (P0F0308-MSD1)	**Source: 0F01002-18**			Prepared: 06/03/20 Analyzed: 06/04/20						
Benzene	0.0782	0.00100	mg/kg dry	0.100	ND	78.2	80-120	6.02	20	QM-07
Toluene	0.0867	0.00500	"	0.100	0.000640	86.0	80-120	3.66	20	
Ethylbenzene	0.0918	0.00500	"	0.100	0.000910	90.9	80-120	8.17	20	
Xylene (p/m)	0.166	0.00500	"	0.200	0.00602	79.8	80-120	9.66	20	QM-07
Xylene (o)	0.0849	0.00100	"	0.100	0.00221	82.7	80-120	9.62	20	
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*75-125*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0202 - * DEFAULT PREP *** **										
Blank (P0F0202-BLK1)				Prepared & Analyzed: 06/02/20						
% Moisture	ND	0.1	%							
Duplicate (P0F0202-DUP1)		**Source: 0E29015-02**		Prepared & Analyzed: 06/02/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0F0202-DUP2)		**Source: 0E29017-20**		Prepared & Analyzed: 06/02/20						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0F0202-DUP3)		**Source: 0F01002-21**		Prepared & Analyzed: 06/02/20						
% Moisture	1.0	0.1	%		1.0			0.00	20	
Batch P0F0512 - * DEFAULT PREP *** **										
Blank (P0F0512-BLK1)				Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	ND	1.00	mg/kg wet							
LCS (P0F0512-BS1)				Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	416	1.00	mg/kg wet	400		104	80-120			
LCS Dup (P0F0512-BSD1)				Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	409	1.00	mg/kg wet	400		102	80-120	1.51	20	
Calibration Blank (P0F0512-CCB1)				Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0F0512-CCB2)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	0.00		mg/kg wet							

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0512 - * DEFAULT PREP *** **										
Calibration Check (P0F0512-CCV1)				Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0F0512-CCV2)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	21.6		mg/kg	20.0		108	0-200			
Calibration Check (P0F0512-CCV3)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	21.9		mg/kg	20.0		109	0-200			
Matrix Spike (P0F0512-MS1)		**Source: 0E29016-01**		Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	9470	57.5	mg/kg dry	5750	3920	96.6	80-120			
Matrix Spike (P0F0512-MS2)		**Source: 0E29017-14**		Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	3890	10.6	mg/kg dry	1060	2780	104	80-120			
Matrix Spike Dup (P0F0512-MSD1)		**Source: 0E29016-01**		Prepared: 06/05/20 Analyzed: 06/06/20						
Chloride	9260	57.5	mg/kg dry	5750	3920	92.9	80-120	2.25	20	
Matrix Spike Dup (P0F0512-MSD2)		**Source: 0E29017-14**		Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	3930	10.6	mg/kg dry	1060	2780	108	80-120	1.07	20	
Batch P0F0513 - * DEFAULT PREP *** **										
Blank (P0F0513-BLK1)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	ND	1.00	mg/kg wet							
LCS (P0F0513-BS1)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	434	1.00	mg/kg wet	400		108	80-120			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0513 - * DEFAULT PREP *** **										
LCS Dup (P0F0513-BSD1)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	441	1.00	mg/kg wet	400		110	80-120	1.66	20	
Calibration Blank (P0F0513-CCB1)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0F0513-CCB2)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0F0513-CCV1)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	21.9		mg/kg	20.0		109	0-200			
Calibration Check (P0F0513-CCV2)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	22.4		mg/kg	20.0		112	0-200			
Calibration Check (P0F0513-CCV3)				Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	21.4		mg/kg	20.0		107	0-200			
Matrix Spike (P0F0513-MS1)		**Source: 0F01002-08**		Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	5640	5.10	mg/kg dry	510	4570	210	80-120			
Matrix Spike (P0F0513-MS2)		**Source: 0F01002-20**		Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	14900	26.0	mg/kg dry	2600	11500	130	80-120			
Matrix Spike Dup (P0F0513-MSD1)		**Source: 0F01002-08**		Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	5240	5.10	mg/kg dry	510	4570	132	80-120	7.33	20	
Matrix Spike Dup (P0F0513-MSD2)		**Source: 0F01002-20**		Prepared: 06/05/20 Analyzed: 06/08/20						
Chloride	14000	26.0	mg/kg dry	2600	11500	95.2	80-120	6.35	20	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0109 - TX 1005										
Blank (P0F0109-BLK1)				Prepared: 06/01/20 Analyzed: 06/04/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*148*		*"*	*160*		*92.7*	*70-130*			
Surrogate: o-Terphenyl	*83.0*		*"*	*80.0*		*104*	*70-130*			
LCS (P0F0109-BS1)				Prepared: 06/01/20 Analyzed: 06/04/20						
C6-C12	1660	25.0	mg/kg wet	1800		92.4	75-125			
>C12-C28	1990	25.0	"	1800		110	75-125			
Surrogate: 1-Chlorooctane	*179*		*"*	*160*		*112*	*70-130*			
Surrogate: o-Terphenyl	*80.8*		*"*	*80.0*		*101*	*70-130*			
LCS Dup (P0F0109-BSD1)				Prepared: 06/01/20 Analyzed: 06/04/20						
C6-C12	1660	25.0	mg/kg wet	1800		92.3	75-125	0.170	20	
>C12-C28	2010	25.0	"	1800		112	75-125	1.14	20	
Surrogate: 1-Chlorooctane	*185*		*"*	*160*		*116*	*70-130*			
Surrogate: o-Terphenyl	*74.6*		*"*	*80.0*		*93.2*	*70-130*			
Calibration Blank (P0F0109-CCB1)				Prepared: 06/01/20 Analyzed: 06/04/20						
C6-C12	16.0		mg/kg wet							
>C12-C28	13.6		"							
Surrogate: 1-Chlorooctane	*156*		*"*	*160*		*97.5*	*70-130*			
Surrogate: o-Terphenyl	*86.8*		*"*	*80.0*		*108*	*70-130*			
Calibration Check (P0F0109-CCV1)				Prepared: 06/01/20 Analyzed: 06/04/20						
C6-C12	811	25.0	mg/kg wet	800		101	85-115			
>C12-C28	886	25.0	"	800		111	85-115			
Surrogate: 1-Chlorooctane	*157*		*"*	*160*		*98.2*	*70-130*			
Surrogate: o-Terphenyl	*74.4*		*"*	*80.0*		*93.1*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0109 - TX 1005										
Duplicate (P0F0109-DUP1)	**Source: 0F01002-17**			Prepared: 06/01/20 Analyzed: 06/05/20						
C6-C12	23.5	25.5	mg/kg dry		18.9			21.3	20	
>C12-C28	14.9	25.5	"		17.2			14.2	20	
Surrogate: 1-Chlorooctane	*149*		*"*	*163*		*91.1*	*70-130*			
Surrogate: o-Terphenyl	*86.6*		*"*	*81.6*		*106*	*70-130*			
Batch P0F0208 - TX 1005										
Blank (P0F0208-BLK1)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*157*		*"*	*160*		*98.1*	*70-130*			
Surrogate: o-Terphenyl	*86.2*		*"*	*80.0*		*108*	*70-130*			
LCS (P0F0208-BS1)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	1830	25.0	mg/kg wet	1800		102	75-125			
>C12-C28	2140	25.0	"	1800		119	75-125			
Surrogate: 1-Chlorooctane	*202*		*"*	*160*		*126*	*70-130*			
Surrogate: o-Terphenyl	*82.5*		*"*	*80.0*		*103*	*70-130*			
LCS Dup (P0F0208-BSD1)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	1810	25.0	mg/kg wet	1800		100	75-125	1.07	20	
>C12-C28	2130	25.0	"	1800		119	75-125	0.455	20	
Surrogate: 1-Chlorooctane	*195*		*"*	*160*		*122*	*70-130*			
Surrogate: o-Terphenyl	*79.9*		*"*	*80.0*		*99.9*	*70-130*			
Calibration Blank (P0F0208-CCB1)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	19.1		mg/kg wet							
>C12-C28	10.6		"							
Surrogate: 1-Chlorooctane	*153*		*"*	*160*		*95.6*	*70-130*			
Surrogate: o-Terphenyl	*84.2*		*"*	*80.0*		*105*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0208 - TX 1005										
Calibration Blank (P0F0208-CCB2)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	20.7		mg/kg wet							
>C12-C28	16.8		"							
Surrogate: 1-Chlorooctane	*136*		*"*	*160*		*85.3*	*70-130*			
Surrogate: o-Terphenyl	*75.3*		*"*	*80.0*		*94.2*	*70-130*			
Calibration Check (P0F0208-CCV1)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	861	25.0	mg/kg wet	800		108	85-115			
>C12-C28	918	25.0	"	800		115	85-115			
Surrogate: 1-Chlorooctane	*165*		*"*	*160*		*103*	*70-130*			
Surrogate: o-Terphenyl	*79.0*		*"*	*80.0*		*98.7*	*70-130*			
Calibration Check (P0F0208-CCV2)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	823	25.0	mg/kg wet	800		103	85-115			
>C12-C28	871	25.0	"	800		109	85-115			
Surrogate: 1-Chlorooctane	*157*		*"*	*160*		*98.4*	*70-130*			
Surrogate: o-Terphenyl	*75.0*		*"*	*80.0*		*93.7*	*70-130*			
Calibration Check (P0F0208-CCV3)				Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	541	25.0	mg/kg wet	500		108	85-115			
>C12-C28	561	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*130*		*"*	*160*		*81.5*	*70-130*			
Surrogate: o-Terphenyl	*70.8*		*"*	*80.0*		*88.5*	*70-130*			
Duplicate (P0F0208-DUP1)		**Source: 0F02001-04**		Prepared: 06/02/20 Analyzed: 06/05/20						
C6-C12	14.0	25.5	mg/kg dry		14.2			1.45	20	
>C12-C28	12.5	25.5	"		11.8			5.69	20	
Surrogate: 1-Chlorooctane	*148*		*"*	*163*		*90.8*	*70-130*			
Surrogate: o-Terphenyl	*84.8*		*"*	*81.6*		*104*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/1/2020

Brent Barron, Laboratory Director/Technical Director

LKC CKZ 1 of 3

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature:
e-mail: Matt@etechenv.com rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: C601002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TOTAL: TPH: 8015B TX 1005 Ext	TX 1D08 Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	D-12 SSW-12 @ 3'			5/29/2020	750		1	x								S	X								X			X				X
2	C-17 SSW @ 5'			5/29/2020	810		1	x								S	X								X			X				X
3	C-6 NSW @ 5'			5/29/2020	813		1	x								S	X								X			X				X
4	C BH-18 @ 7'			5/29/2020	821		1	x								S	X								X			X				X
5	C-18 ESW @ 5'			5/29/2020	822		1	x								S	X								X			X				X
6	C-18 SSW @ 5'			5/29/2020	823		1	x								S	X								X			X				X
7	C-18 NSW @ 5'			5/29/2020	824		1	x								S	X								X			X				X
8	A-1 NSW @ 3.5'			5/29/2020	834		1	x								S	X								X			X				X
9	B-1[illegible] NSW @ 2.5'			5/29/2020	836		1	x								S	X								X			X				X
10	E-1 BH @ 1'			5/29/2020	910		1	x								S	X								X			X				X

Special Instructions:
Bill to Centennial Resource

Relinquished by:	Date: 5-1-20	Time:	Received by:	Date:	Time:
Relinquished by:	Date: 6-1-20	Time: 1241	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by PBEL:	Date: 6/1/20	Time: 12:12

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 12.2 °C CF +1.2
Adjusted: 13.2 °C Factor 1.2

2 of 3

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature:
e-mail: Matt@etechenv.com rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: CF01002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015B	TPH: 8015M	TPH: TX 1005 Ext	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	E-2 BH @ 1'			5/29/2020	911		1	x								S	X									X			X				X
12	E-3 BH @ 1'			5/29/2020	912		1	x								S	X									X			X				X
13	E-4 BH @ 1'			5/29/2020	913		1	x								S	X									X			X				X
14	E-5 BH @ 1'			5/29/2020	914		1	x								S	X									X			X				X
15	E-6 BH @ 1'			5/29/2020	915		1	x								S	X									X			X				X
16	E-7 BH @ 1'			5/29/2020	916		1	x								S	X									X			X				X
17	E-8 BH @ 1'			5/29/2020	917		1	x								S	X									X			X				X
18	E-9 BH @ 1'			5/29/2020	918		1	x								S	X									X			X				X
19	E NSW-1 BH @ 2'			5/29/2020	920		1	x								S	X									X			X				X
20	E NSW-2 BH @ 2'			5/29/2020	921		1	x								S	X									X			X				X

Special Instructions:
Bill to Centennial Resource

Relinquished by:	Date 6-1-20	Time	Received by:	Date	Time
Relinquished by:	Date 6/1/20	Time 12:4	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date 6/1/20	Time 12:12

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 12.2 °C
Adjusted: 13.2 °C Factor +1 1.2

3 of 3

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green

Company Name: Etech Environmental and Safety Solutions, Inc.

Company Address: 13000 W CR 100

City/State/Zip: Odessa, Texas 79765

Telephone No: (432)230-3763 Fax No:

Sampler Signature: Matthew Green

e-mail: Matt@etechenv.com
rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H

Project #: 12174

Project Loc: Lea County, NM

PO #: Centennial Resource

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0F01002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 / 8015M 8015B	TOTAL: TPH: TX 1005 Ext TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
21	E NSW-3 BH @ 2'			5/29/2020	923		1	x								S	X								X			X				X

Special Instructions:
Bill to Centennial Resource

Relinquished by: Matthew Green	Date 6-1-20	Time	Received by:	Date	Time
Relinquished by:	Date 6/1/20	Time 1244	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Dena Beddoe	Date 6/1/20	Time 12:12

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 12.2 °C CF 1.2
Adjusted: 13.2 °C Factor

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Revised Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID_11162019

Location: Lea County, New Mexico

Lab Order Number: 0F09010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-7 WSW @ 5'	0F09010-01	Soil	06/03/20 07:00	06-09-2020 21:29

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 24 SC 2H to Merchant Livestock 25 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

B-7 WSW @ 5'

0F09010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**654**	25.8	mg/kg dry	25	P0F1211	06/12/20 21:16	06/16/20 00:11	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0F1101	06/11/20 10:06	06/11/20 10:12	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F1101 - * DEFAULT PREP *** **										
Blank (P0F1101-BLK1)				Prepared & Analyzed: 06/11/20						
% Moisture	ND	0.1	%							
Duplicate (P0F1101-DUP1)		**Source: 0F09013-13**		Prepared & Analyzed: 06/11/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0F1101-DUP2)		**Source: 0F09016-04**		Prepared & Analyzed: 06/11/20						
% Moisture	6.0	0.1	%		7.0			15.4	20	
Duplicate (P0F1101-DUP3)		**Source: 0F09018-09**		Prepared & Analyzed: 06/11/20						
% Moisture	14.0	0.1	%		13.0			7.41	20	
Duplicate (P0F1101-DUP4)		**Source: 0F09020-12**		Prepared & Analyzed: 06/11/20						
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P0F1101-DUP5)		**Source: 0F09022-03**		Prepared & Analyzed: 06/11/20						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P0F1101-DUP6)		**Source: 0F09022-30**		Prepared & Analyzed: 06/11/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0F1101-DUP7)		**Source: 0F10005-02**		Prepared & Analyzed: 06/11/20						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0F1101-DUP8)		**Source: 0F10008-10**		Prepared & Analyzed: 06/11/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Batch P0F1211 - * DEFAULT PREP *** **										
LCS (P0F1211-BS1)				Prepared: 06/12/20 Analyzed: 06/15/20						
Chloride	403	1.00	mg/kg wet	400		101	80-120			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 25 SC 2H
Project Number: CDEVID_11162019
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F1211 - * DEFAULT PREP *** **										
LCS Dup (P0F1211-BSD1)				Prepared: 06/12/20 Analyzed: 06/15/20						
Chloride	409	1.00	mg/kg wet	400		102	80-120	1.40	20	
Calibration Blank (P0F1211-CCB2)				Prepared: 06/12/20 Analyzed: 06/16/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0F1211-CCV1)				Prepared: 06/12/20 Analyzed: 06/15/20						
Chloride	20.0		mg/kg	20.0		100	0-200			
Calibration Check (P0F1211-CCV2)				Prepared: 06/12/20 Analyzed: 06/16/20						
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0F1211-MS1)		**Source: 0F09010-01**		Prepared: 06/12/20 Analyzed: 06/16/20						
Chloride	3000	25.8	mg/kg dry	2580	654	91.1	80-120			
Matrix Spike (P0F1211-MS2)		**Source: 0F09013-07**		Prepared: 06/12/20 Analyzed: 06/16/20						
Chloride	16700	52.6	mg/kg dry	5260	10700	114	80-120			
Matrix Spike Dup (P0F1211-MSD1)		**Source: 0F09010-01**		Prepared: 06/12/20 Analyzed: 06/16/20						
Chloride	3140	25.8	mg/kg dry	2580	654	96.4	80-120	4.46	20	
Matrix Spike Dup (P0F1211-MSD2)		**Source: 0F09013-07**		Prepared: 06/12/20 Analyzed: 06/16/20						
Chloride	16500	52.6	mg/kg dry	5260	10700	110	80-120	1.43	20	

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/1/2020

Brent Barron, Laboratory Director/Technical Director

LCS CHKL

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature: Matt Green e-mail: Matt@etechenv.com rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 0F09010

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 8015B	TOTAL: TPH: 8015M	TPH: TX 1005 Ext	TX 1008	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B-7 WSW @ 5'			6/3/2020	700		1	x								S														X				X

Special Instructions:
Bill to Centennial Resource

Relinquished by:	Date	Time	Received by:	Date	Time
Matt Green					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Sara Cr	Date 4.9.20	Time 14:30

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: 2.0 °C Factor

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Revised Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Centennial Merchant Livestock 25 SC 2H

Project Number: 12175

Location: NM

Lab Order Number: 0F26014

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-7 WSW @ 5'	0F26014-01	Soil	06/23/20 14:00	06-26-2020 09:42
E-4 BH @ 3'	0F26014-02	Soil	06/22/20 09:50	06-26-2020 09:42
E-NSW-2 @ 2'	0F26014-03	Soil	06/22/20 10:00	06-26-2020 09:42
E-5 BH @ 4'	0F26014-04	Soil	06/22/20 10:15	06-26-2020 09:42
B-1 NSW @ 2.5'	0F26014-05	Soil	06/16/20 13:00	06-26-2020 09:42
A-1 NSW @ 3.5'	0F26014-06	Soil	06/23/20 14:00	06-26-2020 09:42

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 24 SC 2H to Merchant Livestock 25 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

B-7 WSW @ 5'

0F26014-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**329**	10.6	mg/kg dry	10	P0F2909	06/29/20 16:08	06/30/20 18:39	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12175	
Odessa TX, 79765	Project Manager: Matt Green	

E-4 BH @ 3'

0F26014-02 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**145**	1.00	mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 18:55	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12175	
Odessa TX, 79765	Project Manager: Matt Green	

E-NSW-2 @ 2'

0F26014-03 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**352**	1.02	mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 19:11	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12175	
Odessa TX, 79765	Project Manager: Matt Green	

E-5 BH @ 4'

0F26014-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**62.9**	5.21	mg/kg dry	5	P0F2909	06/29/20 16:08	06/30/20 19:26	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

B-1 NSW @ 2.5'

0F26014-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1060**	1.06	mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 19:42	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12175	
Odessa TX, 79765	Project Manager: Matt Green	

A-1 NSW @ 3.5'

0F26014-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**35.1**	1.06	mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 19:58	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F2701 - * DEFAULT PREP *** **										
Blank (P0F2701-BLK1)				Prepared: 06/27/20 Analyzed: 06/29/20						
% Moisture	ND	0.1	%							
Duplicate (P0F2701-DUP1)		**Source: 0F26003-14**		Prepared: 06/27/20 Analyzed: 06/29/20						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0F2701-DUP2)		**Source: 0F26010-11**		Prepared: 06/27/20 Analyzed: 06/29/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0F2701-DUP3)		**Source: 0F26010-38**		Prepared: 06/27/20 Analyzed: 06/29/20						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0F2701-DUP4)		**Source: 0F26015-11**		Prepared: 06/27/20 Analyzed: 06/29/20						
% Moisture	ND	0.1	%		ND				20	
Batch P0F2909 - * DEFAULT PREP *** **										
Blank (P0F2909-BLK1)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	ND	1.00	mg/kg wet							
LCS (P0F2909-BS1)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	500	1.00	mg/kg wet	500		100	80-120			
LCS Dup (P0F2909-BSD1)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	498	1.00	mg/kg wet	500		99.7	80-120	0.306	20	
Calibration Blank (P0F2909-CCB1)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	0.00		mg/kg wet							

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F2909 - * DEFAULT PREP *** **										
Calibration Blank (P0F2909-CCB2)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0F2909-CCV1)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	19.3		mg/kg	20.0		96.3	0-200			
Calibration Check (P0F2909-CCV2)				Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	19.8		mg/kg	20.0		99.2	0-200			
Calibration Check (P0F2909-CCV3)				Prepared: 06/29/20 Analyzed: 07/01/20						
Chloride	20.4		mg/kg	20.0		102	0-200			
Matrix Spike (P0F2909-MS1)		**Source: 0F26012-05**		Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	2740	5.10	mg/kg dry	510	2300	84.9	80-120			
Matrix Spike (P0F2909-MS2)		**Source: 0F26017-03**		Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	647	1.06	mg/kg dry	532	63.7	110	80-120			
Matrix Spike Dup (P0F2909-MSD1)		**Source: 0F26012-05**		Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	2150	5.10	mg/kg dry	510	2300	NR	80-120	24.2	20	QM-05
Matrix Spike Dup (P0F2909-MSD2)		**Source: 0F26017-03**		Prepared: 06/29/20 Analyzed: 06/30/20						
Chloride	663	1.06	mg/kg dry	532	63.7	113	80-120	2.38	20	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/1/2020

Brent Barron, Laboratory Director/Technical Director

LB CH W CH CH66

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763
Fax No:
Sampler Signature: Matt Green
e-mail: Matt@etechenv.com
rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: OF26014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015B (8015M)	TPH: TX 1005 Ext TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	B-7 WSW @ 5'			6/23/2020	1400		1	x								S												X				X
2	E-4 BH @ 3'			6/22/2020	950		1	x								S												X				X
3	E-NSW-2 @ 2'			6/22/2020	1000		1	x								S												X				X
4	E-5 BH @ 4'			6/22/2020	1015		1	x								S												X				X
5	B-1 NSW @ 2.5'			6/16/2020	1300		1	x								S												X				X
6	A-1 NSW @ 3.5'			6/16/2020	1410		1	x								S												X				X

Special Instructions:
Bill to Centennial Resource

Relinquished by: Matt Green	Date 6/26/20	Time 9:42	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Teresa Bledsoe	Date 6/26/20	Time 9:42

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep.?	Y	N
	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5 °C CF +1
Adjusted: 6 °C Factor LZ

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Revised Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Centennial Merchant Livestock 25 SC 2H

Project Number: 12175

Location: Lea County, NM

Lab Order Number: 0G30013

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1 NSW @ 2.5'	0G30013-01	Soil	07/27/20 09:00	07-30-2020 15:34

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 24 SC 2H to Merchant Livestock 25 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

B-1 NSW @ 2.5'

0G30013-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**192**	1.08	mg/kg dry	1	P0H0704	08/07/20 11:14	08/08/20 00:31	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P0H0402	08/04/20 09:46	08/04/20 09:52	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
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Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0402 - * DEFAULT PREP *** **										
Blank (P0H0402-BLK1)				Prepared & Analyzed: 08/04/20						
% Moisture	ND	0.1	%							
Blank (P0H0402-BLK2)				Prepared & Analyzed: 08/04/20						
% Moisture	ND	0.1	%							
Blank (P0H0402-BLK3)				Prepared & Analyzed: 08/04/20						
% Moisture	ND	0.1	%							
Duplicate (P0H0402-DUP1)		**Source: 0G30014-01**		Prepared & Analyzed: 08/04/20						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0H0402-DUP2)		**Source: 0G31001-06**		Prepared & Analyzed: 08/04/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H0402-DUP3)		**Source: 0G31007-02**		Prepared & Analyzed: 08/04/20						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0H0402-DUP4)		**Source: 0G31008-05**		Prepared & Analyzed: 08/04/20						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0H0402-DUP5)		**Source: 0H03007-03**		Prepared & Analyzed: 08/04/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0H0402-DUP6)		**Source: 0H03007-13**		Prepared & Analyzed: 08/04/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H0402-DUP7)		**Source: 0H03011-03**		Prepared & Analyzed: 08/04/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
Odessa TX, 79765

Project: Centennial Merchant Livestock 25 SC 2H
Project Number: 12175
Project Manager: Matt Green

Fax: (432) 563-2213

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0704 - * DEFAULT PREP *** **										
LCS (P0H0704-BS1)				Prepared & Analyzed: 08/07/20						
Chloride	409	1.00	mg/kg wet	400		102	80-120			
LCS Dup (P0H0704-BSD1)				Prepared & Analyzed: 08/07/20						
Chloride	411	1.00	mg/kg wet	400		103	80-120	0.415	20	
Calibration Check (P0H0704-CCV1)				Prepared & Analyzed: 08/07/20						
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0H0704-CCV2)				Prepared: 08/07/20 Analyzed: 08/08/20						
Chloride	19.9		mg/kg	20.0		99.7	0-200			
Calibration Check (P0H0704-CCV3)				Prepared: 08/07/20 Analyzed: 08/08/20						
Chloride	20.4		mg/kg	20.0		102	0-200			
Matrix Spike (P0H0704-MS1)		**Source: 0G30010-05**		Prepared: 08/07/20 Analyzed: 08/08/20						
Chloride	1100	1.03	mg/kg dry	515	785	61.7	80-120			QM-05
Matrix Spike (P0H0704-MS2)		**Source: 0G30014-01**		Prepared: 08/07/20 Analyzed: 08/08/20						
Chloride	548	1.11	mg/kg dry	556	21.2	94.8	80-120			
Matrix Spike Dup (P0H0704-MSD1)		**Source: 0G30010-05**		Prepared: 08/07/20 Analyzed: 08/08/20						
Chloride	1190	1.03	mg/kg dry	515	785	79.2	80-120	7.85	20	QM-05
Matrix Spike Dup (P0H0704-MSD2)		**Source: 0G30014-01**		Prepared: 08/07/20 Analyzed: 08/08/20						
Chloride	542	1.11	mg/kg dry	556	21.2	93.7	80-120	1.12	20	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Merchant Livestock 25 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12175	
Odessa TX, 79765	Project Manager: Matt Green	

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/1/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

L MD

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763
Fax No:
Sampler Signature:
e-mail: Matt@etechenv.com
rebecca@etechenv.com

Project Name: Merchant Livestock 24SC 2H
Project #: 12174
Project Loc: Lea County, NM
PO #: Centennial Resource
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OG30013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8D15M 8D15B	TPH: TX 1005 Ext TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 80218/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	B-1 NSW @ 2.5'			7/27/2020	900		1	x								S											X				X

Special Instructions:
Bill to Centennial Resource

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
	7 30	3:34			
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				7/30/20	15:34

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.9 °C
Adjusted: 5.9 °C Factor CF+1.2

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party **Centennial Resources Development**	OGRID **372165**
Contact Name **Zane Kurtz**	Contact Telephone **432-701-5672**
Contact email **zane.kurtz@cdevinc.com**	Incident # *(assigned by OCD)*
Contact mailing address **500 W Illinois Ave, Suite 500, Midland, Texas 79701**	

Location of Release Source

Latitude **32.36974** Longitude **-103.42675**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: **Merchant Livestock 24 State Com 2H**	Site Type **Oil Well and Tank Battery**
Date Release Discovered: **November 16, 2019**	API# *(if applicable)*: **30-025-413470000**

Unit Letter	Section	Township	Range	County
N	24	22S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) **3**	Volume Recovered (bbls) **2**
☒ Produced Water	Volume Released (bbls) **1040**	Volume Recovered (bbls) **1000**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: **Check valve on the water transfer pump failed and caused transfer pump to spill out and fill lined containment. Then it over ran the containment and ran south of the battery and into the pasture area.**

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Page 2

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? **The release was over 25 bbls and the release ran off the pad and into pasture.**
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: **Zane Kurtz** Title: **Sr. Environmental Analyst**

Signature: Date: **11-19-2019**

email: **zane.kurtz@cdevinc.com** Telephone: **432-701-5672**

OCD Only

Received by: Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRH2003535484
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.

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☑ 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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 12-23-20

email: jamon.hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: Robert Hamlet Date: 4/20/2021

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: Robert Hamlet Date: 4/20/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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 13057

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
CENTENNIAL RESOURCE PRODUCTION	1001 17th Street, Suite 1800	Denver, CO80202	372165	13057	C-141

OCD Reviewer	Condition
rhamlet	We have received your closure report and final C-141 for Incident #NRH2003535484 MERCHANT LIVESTOCK 24 STATE COM 2H, thank you. This closure is approved.